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# KIDS



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# NATIONAL GEOGRAPHIC KIDS

## Hi, Gang!

Welcome to our bumper ocean special! Get ready to dive in and find out about some of our seas' most amazing (and surprising!) residents. From loggerhead turtles and gigantic manta rays to ocean-loving PIGS, this month's mag is swimming with wonderful wildlife!

Also this issue, we meet a man who explores underwater caves for a living (how cool?!) and check out some of the world's wackiest restaurants. Which one would you most like to visit?!

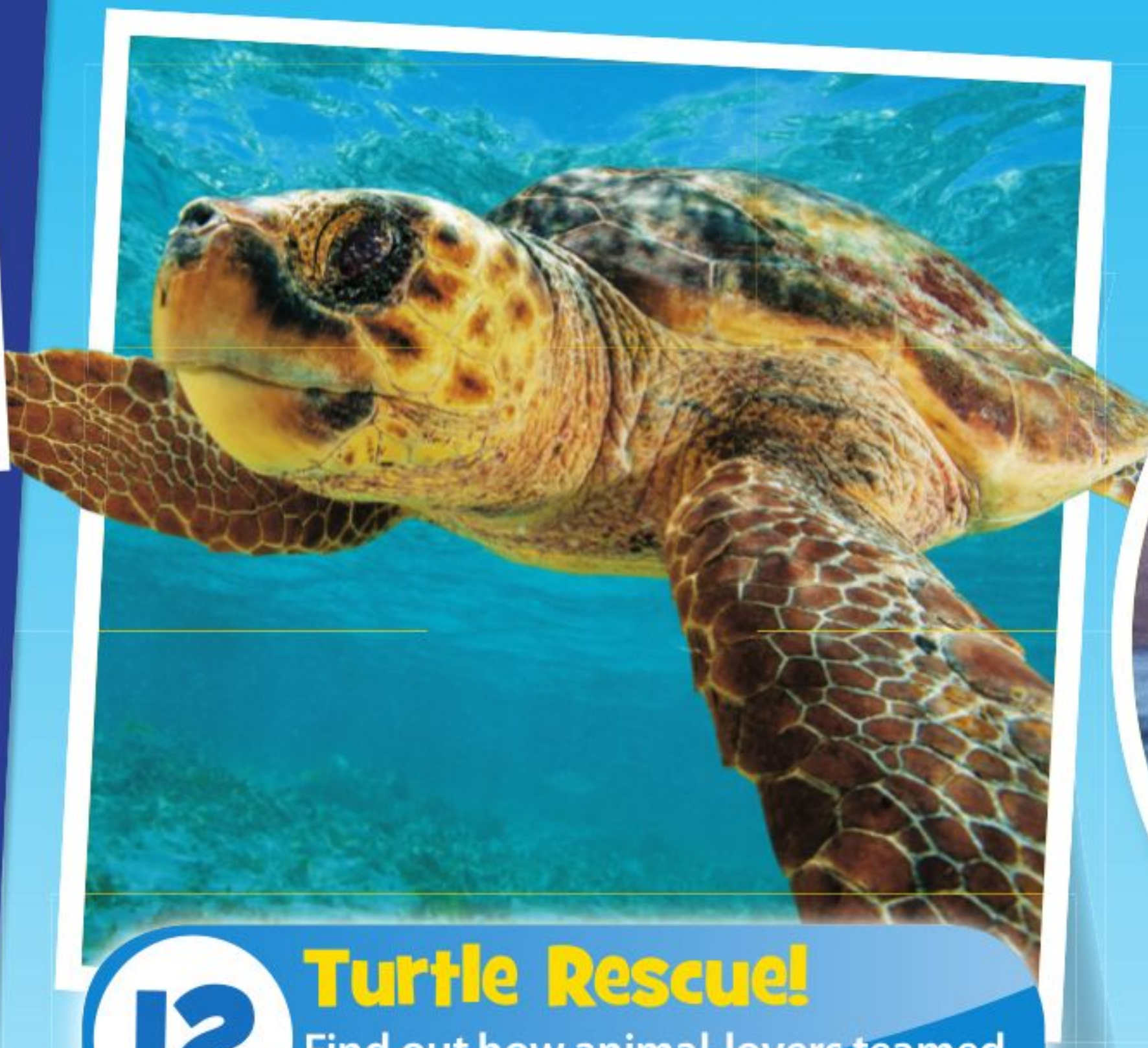
See you next month!



Tim

Tim

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Find out how animal-lovers teamed up to save a lost sea turtle!



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## Amazing Mantas!

Check out these seven super facts about manta rays...

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Download a QR code scanner from your app store. Then when you see this smartphone in the magazine, scan it for extra content



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Meet the Bahamas' brilliant ocean-loving swine!



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## Wacky Restaurants!

Which of these unusual eateries would you like to dine in?!

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# Inside Scoop

The latest news and from ar

**CRAZY  
EVENTS!**

**LA TOMATINA**

**26  
AUGUST**

Fancy a food fight? Then head to Spain for the world's largest squashed-tomato scrap! Around 20,000 people flock to the town of **Buñol**, near Valencia, each August to chuck 100 tonnes of the big red beauties at each other! The first **La Tomatina** took place about 70 years ago, but its origins are unclear. Some say it started as a food fight between friends, others that people were pelted during a carnival parade. These days, there's so much mess that the fire brigade hose down the town afterwards to get rid of the red ooze!

Goldfish compete with local fish for food and even prey on native species!



**DANGER!  
GIANT  
GOLDFISH!**



There's a pesky new pest taking over ponds, lakes and rivers in **Alberta, Canada** – the humble *goldfish*! The pets are breeding in the wild after being released by their owners. Goldfish can grow to the size of dinner plates when not in tanks, and they're multiplying fast! It's hoped a new campaign, **Don't Let it Loose**, will educate people about the impact of releasing goldfish. And anyone caught doing so can also be fined £51,000!

## FLYING FELINE!



Check out the amazing expressions in this picture (right). It shows the moment a pilot realised he had a furry little stowaway hiding in his wing! We can't decide who looks the most freaked out!

The pilot, **Romain Jantot**, from **Kourou in French Guiana, South America**, was taking a passenger on her first ever glider-plane flight, and he didn't notice the kitty was on board until they were hundreds of feet up in the air. Yikes!

### STAY WHERE YOU ARE!

Realising that it would be extremely dangerous if the cat tried to jump down into the cockpit, Romain told his passenger to sit tight and NOT reach for the cat. He just had to hope it would cling on tight until he could land the plane safely.

When they eventually touched down, the little scamp was fine, and it's now become the mascot of the flight club where Romain works! The pilot still doesn't know whether the cheeky moggy got into the wing *after* his pre-flight checks, or whether he missed it – but we've got a feeling all the pilots will be checking their planes extra carefully from now on, just in case the cat got a taste for the high life!



**Yikes! The look on the pilot and cat's faces is priceless!**



**Peekaboo!**



**Pheweeeee – home safe and sound!**



# OP

fantastic facts  
ound the globe...



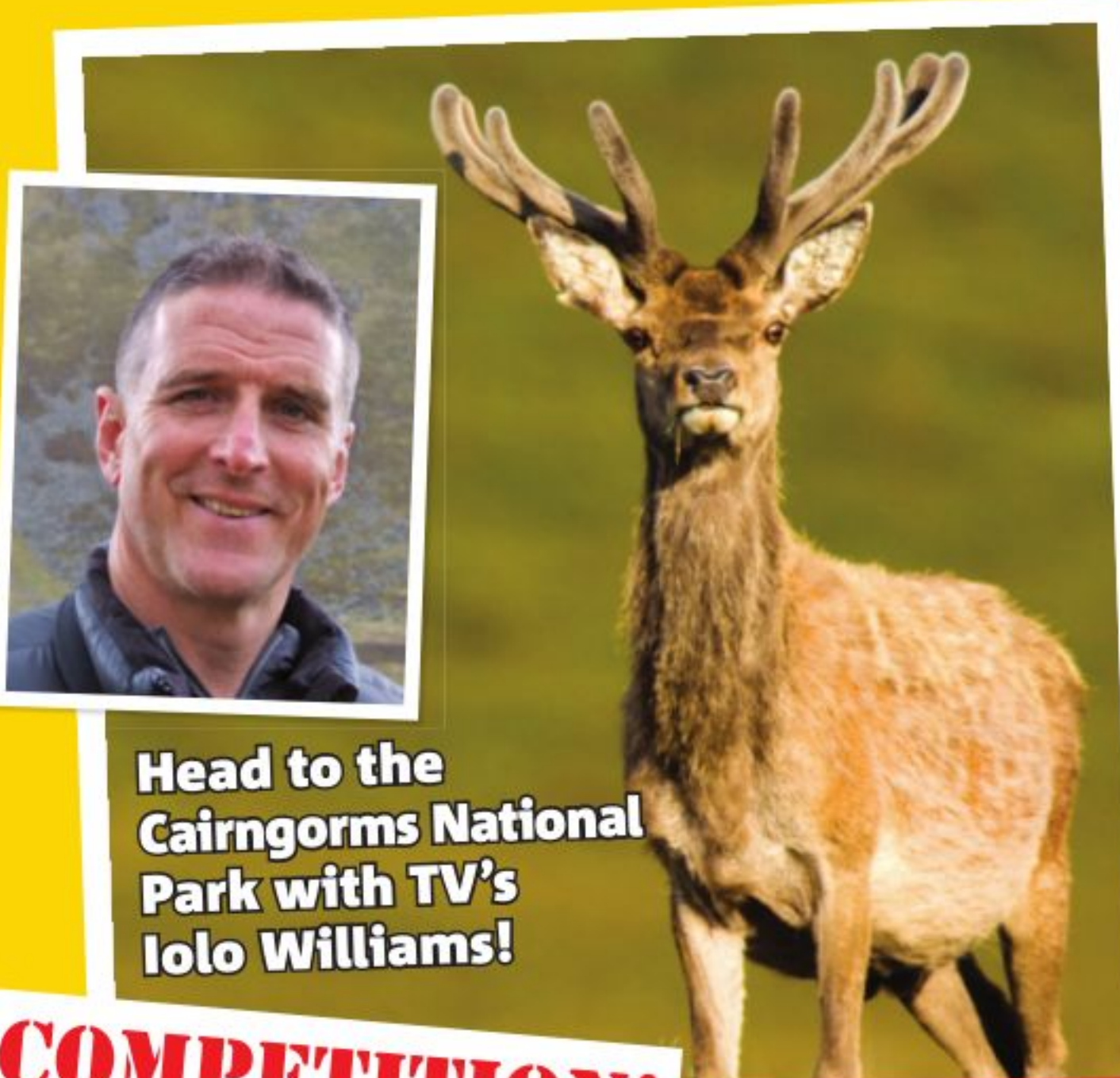
## Record-breaking space woman!

Astronaut Sam on board the International Space Station!



Last month, Italian astronaut **Samantha Cristoforetti** broke the record for the longest time a woman has spent in space! Sam was on board the **International Space Station (ISS)** for a whopping **200 days** after technical problems delayed her return to

Earth by a month. During her mission, flight engineer Sam – who's a Captain in the Italian Air Force – conducted experiments in the ISS laboratories. She also made history by brewing the first cup of **espresso coffee** in space after special equipment was delivered. Cool!



Head to the Cairngorms National Park with TV's Iolo Williams!

COMPETITION!

## COULD YOU BE A WILDLIFE PRESENTER?



Are you a budding young **David Attenborough**? Then enter this cool new competition set up by the **RSPB** and **Cairngorms Nature**! You could win an amazing five-night family holiday in the heart of the **Cairngorms National Park**, including a day making a short **nature film** with TV presenter **Iolo Williams**. Wow! To be in with a chance of winning, just make a short film of yourself presenting something in nature – from a ladybird on a plant to a deer in the wild. Head to [rspb.org.uk/cairngormsnature](http://rspb.org.uk/cairngormsnature) for more info – the competition closes **31 October**. Good luck!



## 3 FAST FACTS EDINBURGH FESTIVAL FRINGE

The biggest arts festival in the world takes place in Scotland's capital from 7-31 August.

**1** The **Fringe** started in 1947 when eight theatre groups who hadn't been selected to play at the new **Edinburgh International Festival (EIF)** decided to show up and perform anyway! Every year, more 'uninvited' groups turned up to play.

**2** Last year, there were 49,497 different performances throughout the city, and over two million tickets were sold! **Anyone** can play at the Fringe... they just need a venue to agree to host them.

**3** Whereas the EIF is mainly opera and classical music, Fringe performances tend to be wackier, with a focus on **comedy**. Many famous comedians' careers were kickstarted at the Fringe, including Rowan Atkinson's (aka Mr Bean)!

Make it a  
**DATE**  
What's going on  
this month?

27 July - 2 August

**National  
Parks Week**

Explore the wild!  
[nationalparks.gov.uk](http://nationalparks.gov.uk)



16 August

**National Tell a  
Joke Day**

Turn to page 52 for  
some of our funnies!



20 - 24 August

**The Ashes' 5th Test**

Don't miss the final Test  
to see who'll win this  
famous cricket trophy!



29 - 31 August

**Notting Hill  
Carnival**

Get your groove on  
for London's carnival!



31 August

**Summer Bank  
Holiday**

Wooop! Let's hope  
the weather's nice!





# Weird WORLD!

Check out the planet's strangest pictures...



AUSTRALIA

## Plastic fantastic!

Check out this bad boy – it's a 'hot rod' car made from 500,000 pieces of LEGO! The **Super Awesome Micro Project** vehicle has a top speed of 32kmph, but its co-creator **Raul Oaida** (here) is worried the LEGO might break if he tries to make it go faster. Yikes!



## Th-rush hour!

This bird had a *brilliant* idea when it was deciding where to build its nest – the **mistle thrush** chose a nice, warm ledge on a set of traffic lights in Leeds! Hopefully its babies will soon get the *green light* to fly the nest!

## Wild about balloons!

Japanese balloon twister **Masayoshi Matsumoto** must be really *pop-ular* at birthday parties – because he makes these brilliant blow-up animals for a living. Using 20–30 inflatables (but no glue or pens) Masayoshi spends up to five hours sculpting each cool creature out of the stretchy rubber!



JAPAN

## TASTY TOOTH

Ever accidentally swallowed a tooth? Well, you **CAN** swallow this *dinosaur* gnasher. Food artist **Sarah Hardy** makes them out of *chocolate*!



## SCARY TOON!

Here's **Sulley** from *Monsters, Inc.* as he's never been seen before! Artist **Jason Freeny** makes models of cartoon characters, imagining what they look like *under their skin*!



## RUN FOR YOUR LIVES!

Don't worry. This gigantic dino, snapped near the Houses of Parliament last month, was only a model. It was promoting scary new dino flick *Jurassic World*. Phew!



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THE  
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GAME CO



We've rounded up this month's best exhibitions, movies, DVDs, events and books...

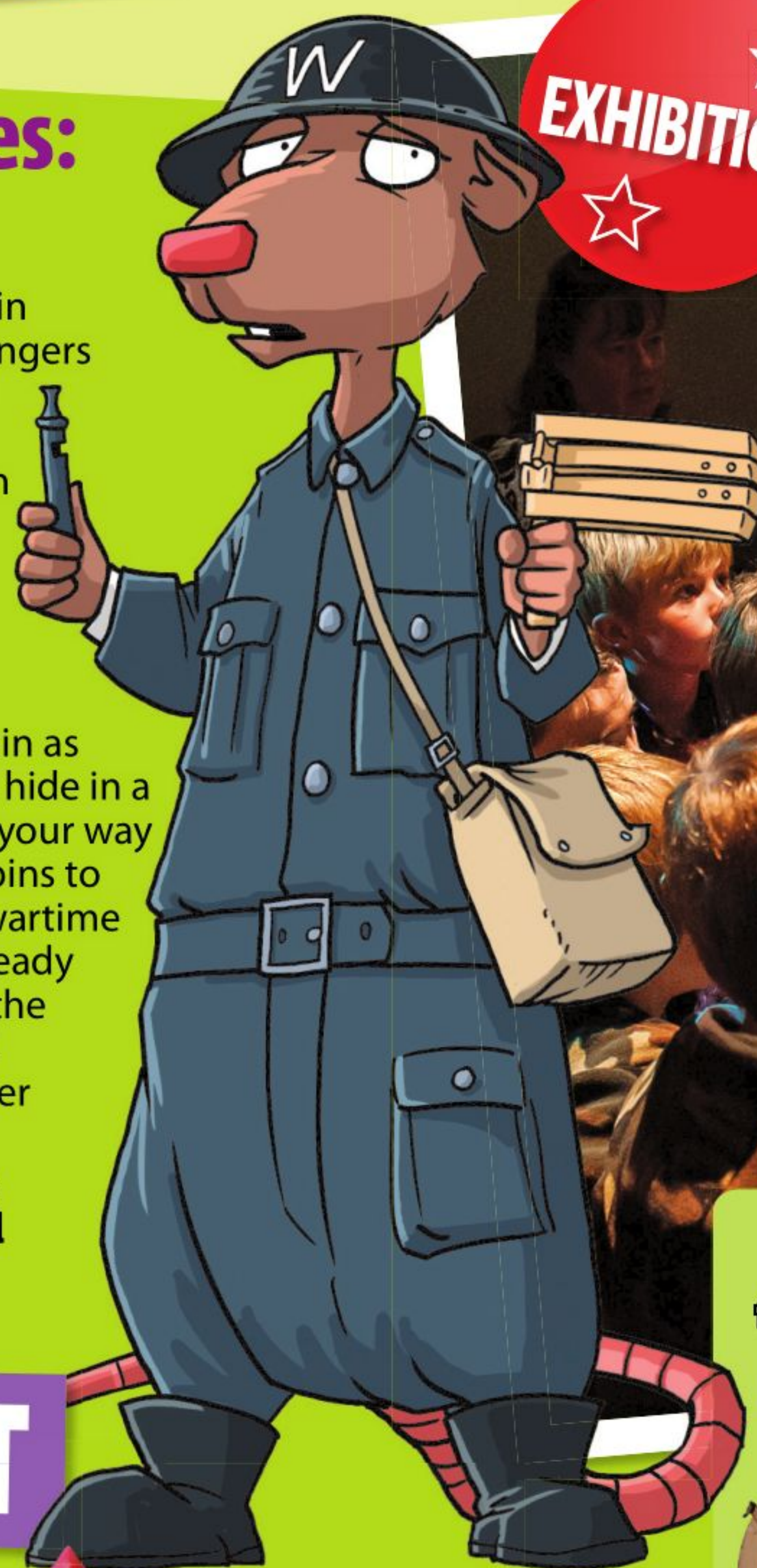
# WHAT'S UP?!

## Horrible Histories: Blitzed Brits

★ Seventy-five years ago, Britain faced one of the greatest dangers in its history – **the Blitz**! Between September 1940 and May 1941, Nazi Germany dropped more than **100 tonnes of explosives** on Britain. Now you can experience this turbulent time in history at a new interactive exhibition from the **Horrible Histories** team...

Be transported to wartime Britain as you stumble through a **blackout**, hide in a cramped **bomb shelter** and sniff your way through **stinky smells**, from pig bins to ration stew. Explore some weird wartime objects, find out if your hand is steady enough to **diffuse a bomb**, hear the first-hand accounts of **evacuated children** and take a test to discover how squeamish you are...

● **Blitzed Brits** is on at Imperial War Museums North, in Manchester, until next spring. Entry is free! Check out [iwm.org.uk](http://iwm.org.uk) to find out more!



EXHIBITION

Find out what life was like for kids during the Second World War

This frying pan is made from a crashed aeroplane! Eggs anyone?



Would your dog enjoy spending the night in a gas-proof metal kennel?



The tops of post boxes were painted with special **gas detection paint** which would change colour in the event of a gas attack. Thankfully, not one gas attack took place in Britain!

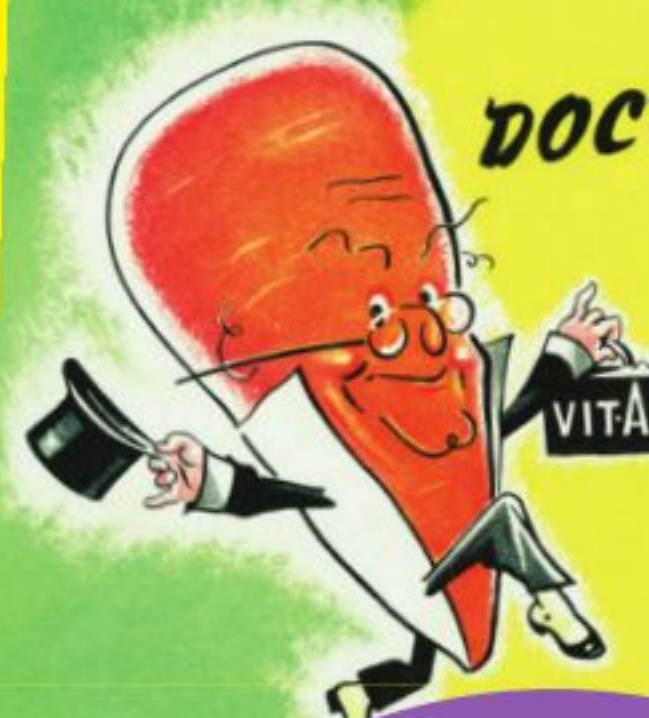


Life in Britain was tough for kids – **cough sweets** were the only sweets that weren't rationed (available only in small amounts). Because of a flour shortage, **potatoes** were used to bulk up cakes!

Despite fish being in extremely short supply during the war, the government made sure that **fish and chips** was always available as it helped keep people's spirits up!

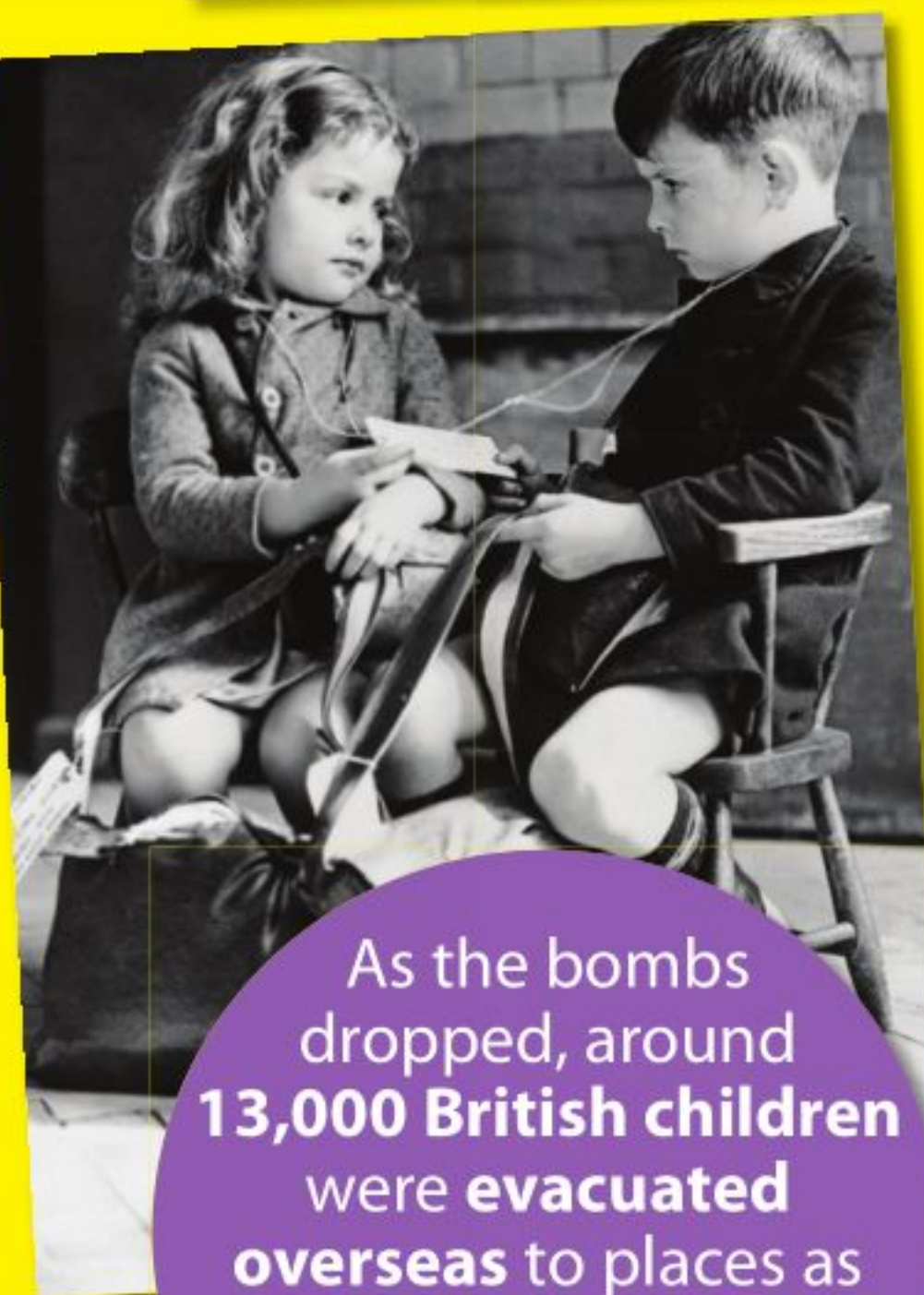


**DOCTOR CARROT** the Children's best friend



The government needed to explain their success at shooting down German bombers in the night, *without* revealing their use of **radar**. So they spread a rumour about **carrots** helping you to see in the dark! This also encouraged people to gobble up the excess of home-grown carrots!

As the bombs dropped, around **13,000 British children** were **evacuated overseas** to places as far away as Canada, America, Australia and New Zealand.



WIN!



We're giving away five copies of the brilliant book this awesome exhibition is based on!  
Q Unscramble these letters to reveal another word for 'horrible'...  
**FEADLURD**





Tip and Oh become bezzies!

DVD

## Home

★ Oh is a loveable purple alien on the run from his own kind – the **Boov**. Luckily for Oh, he forms a friendship with a girl named **Tip**, the last person left on Earth after humans were forced out by the invading aliens. Escaping together in a flying car, the outcast alien and feisty teen try to find Tip's mum – and discover the true meaning of the word 'home'. Oh, and Oh learns to dance. So cute!

● Out on DVD and Blu-ray 20 July

We've got five copies of *Home* on DVD up for grabs!

Q Which famous pop star provides the voice for Tip in the movie?

- a) Gary Barlow  
b) Rihanna c) Madonna



WIN!

Watch out for that nasty niff!



MOVIE

## Doctor Proctor's Fart Powder

★ Based on the first book in the hit series from Norwegian author **Jo Nesbø**, this funny film follows the wonderfully weird **Doctor Proctor**, who's out to become a famous inventor. But when he creates a super-strength fart powder that can propel people into outer space, friends Nilly and Lisa must help Doctor Proctor stop the powder being stolen!

● Out at selected cinemas, on DVD and on Digital Download 31 July. Cert PG.

EVENT

Are there peacock butterflies in your garden or park?!



Tim Melling, Butterfly Conservation.

## Big Butterfly Count

★ Help scientists figure out how well our fluttering friends are doing by taking part in this year's **Big Butterfly Count**, which is happening now! It's super easy – just download the handy butterfly ID chart from **bigbutterflycount.org**, find a sunny place in a park or garden and spend **15 minutes** seeing which butterflies you can spot. Then log on to the website to report your sightings and location! Last year over 44,000 people took part, so let's see if we can get even more involved this time!

● Head to **bigbutterflycount.org** to download your guide. You've got until **9 August** to upload your results!



## Fantastic Four

★ Marvel Comic's spectacular super heroes the **Fantastic Four** are back in yet another cinematic spin-off! Four young outsiders **teleport** to a dangerous alternate universe – which changes their bodies in shocking ways, giving them special powers. Join them on their incredible

journey as they learn how to harness their new abilities and work together to save Earth from a friend-turned-enemy!

● In cinemas 6 August. Certificate TBC.

We've teamed up with film education experts **IntoFilm** to tell you about this month's new releases. Ask your folks or teacher to head to **intofilm.org/festival** to find out about their cool new **IntoFilm Festival** and to book tickets for free screenings!

MOVIE

## YOUR BOOK REVIEWS!

From now on, we're asking YOU to review the latest kids' books for us! Get in touch if you'd like to take part...



## Sedric and the Great Pig Rescue

Angie Morgan

★ When a suspicious **Baron** inherits a mansion in **Sedric's** village, it isn't long

before he captures **Sedric's** pig

**Denzel** for slaughter, and takes all the village turnips. It's up to **Sedric** and his friends to get **Denzel** and the turnips back!

The story is hilarious, I really liked it. It takes place in the **Dark Ages** and is written in a rustic sort of way, but seems very realistic. There really is nothing wrong with this book.

Hannah Riordan, 9

## Violet and the Pearl of the Orient

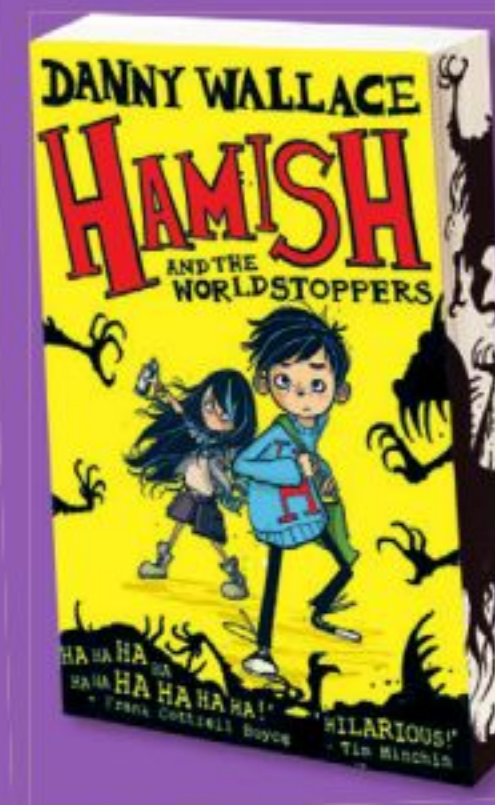
Harriet Whitehorn

★ A girl called **Violet** investigates when her neighbour **Dee Dee's** precious pearl goes missing. Could it be something to do with the **Count** family who have moved in next door?

My favourite characters were **Violet** and her friend **Rose** – they were very brave to break into the **Counts'** house!

The only thing I didn't like were the illustrations – there were too many and they were all purpley. People who like mystery and adventures will enjoy this book.

Aoife Sweeney, 9 3/4



## Hamish and the WorldStoppers

Danny Wallace

★ **Hamish** discovers he has an amazing ability – the power to move within the world when it pauses – which it's been doing lately.

Anything is possible in this temporarily frozen world, but **Pause Walkers** like **Hamish** do not walk alone – something terrible is out there, too.

He sets out to save the world by joining the **Pause Defence Force** – and has an adventure before its time, within time!

This book is fantastic. It made me both laugh out loud and read with excitement to an ending that left me wanting more. I'm eagerly awaiting the sequel!

Jayson Childs, 10

WIN!

Five of you will win ALL three of these amazing books!

Q Which of these is NOT violet in colour?  
a) Lavender b) Amethyst c) Lemon

Flick to page 55 to enter any of these cool competitions!





Embark on lots of exciting underwater adventures with the new **LEGO® CITY Deep Sea range!** Check out these five splash-tastic sets...

# Dive into with LEGO® CITY



IT'S JUST ANOTHER DAY FOR A LEGO CITY HELICOPTER HERO!



Explore the secrets of the ocean with the **Deep Sea Submarine**. A mysterious chest is lying inside a **whale skeleton**, guarded by a menacing **shark**. Climb aboard the submarine and use the searchlight and **grabber** on the sub's **robotic arms** to retrieve the chest. Cool!

● Includes a whale ribcage, shark, chest and three minifigures. RRP £24.99



Check out [LEGO.com/CITY](http://LEGO.com/CITY) for more info!

Jump aboard the awesome **Deep Sea Helicopter** and thunder over the ocean at breakneck speed! When you reach the scene, lower the **winch**, hook up the **submarine** and head for the safety of land. Phew!

● Includes submarine, submariner, pilot and scuba diver minifigures with assorted accessories. RRP £39.99

## SEA CREATURE QUIZ

How much do you know about these beasts of the deep? Answers below.



1 What happens if a starfish loses an arm?

- a) It grows a new one
- b) It gets the giggles
- c) It dies

2 True or False?

Grey seals can hold their breath for over an hour.

3 Octopuses have three hearts! But what colour is their blood?

- a) Red
- b) Blue
- c) Green

4 True or False?

All hermit crabs have a bright pink shell.

5 The 6m-long creature below is the biggest shark found around the British coast. But do you know its name?

- a) Bull shark
- b) Great wide shark
- c) Basking shark



Recover sunken treasure with the **Deep Sea Exploration Vessel**! It's loaded with the latest hi-tech **diving equipment** and even has a **shark cage**! Check out the amazing **white shark**, **swordfish** and **octopus** as you retrieve the **gold bars** from the **sunken ship**. But be careful... the entire structure might collapse at any moment!

● This highly detailed set includes seven minifigures and a multitude of accessories. RRP £79.99.

A shark's skin is covered in tiny tooth-like barbs called 'denticles' which make it feel like sandpaper. They help the shark swim faster.





# LEGO CITY action

## Deep Sea!



Search for lost treasure in hidden depths with the **Deep Sea Scuba Scooter**. Use the **robotic arms** to wrestle the **precious crystal** from the **giant octopus** that's lurking in the **seaweed**!

- Includes octopus, crystal, seaweed and scuba diver minifigure. RRP £4.99



Mantis shrimps can flick out a front claw as fast as a bullet to stun or kill their prey.

Help the diver free the mysterious **chest** from the **seaweed** with the **Deep Sea Starter Set**! Take control of the **remote sub** and use its powerful **robotic arms** to reveal the **secret treasures** hidden inside the chest. But watch out for the **shark**!

- Includes a remote sub, shark, chest, coins, camera, seaweed and three minifigures. RRP £8.99



With seahorses, it's the male that gives birth! The mum lays her eggs in a special pouch on the dad's tummy and he keeps them warm until they hatch 6-8 weeks later.

## BECOME A LEGO CITY EXPLORER AT SEA LIFE!

This summer, SEA LIFE centres around the UK will be hosting a LEGO CITY Deep Sea Experience where visitors can take part in activities to become official LEGO CITY Deep Sea Explorers. Get hands-on and build a LEGO sea creature, or search for submerged



LEGO creations amongst the colourful marine life in an exciting treasure hunt\*.

Every SEA LIFE visitor will receive an activity pack that includes an official LEGO Deep Sea Explorer certificate, sticker sheet, fun scuba mask and more!

\*The treasure hunt is taking place at TEN participating SEA LIFE centres only. To find out which ones, swim over to [visitsealife.com](http://visitsealife.com)

The **LEGO CITY Deep Sea Explorer Experience** runs until **31 August**. To find out more visit [visitsealife.com](http://visitsealife.com)



Answers 1) a, 2) True, 3) b, 4) False – a hermit crab doesn't have its own shell. Instead, it uses the empty shell of another creature, such as a whelk. 5) c.



# SEATUR

## How warmhearted people helped a lost and freezing loggerhead...



The struggling sea turtle can barely manage another stroke as she tries to keep warm in the cold water.

Chilly autumn weather has hit **Cape Cod Bay** off **Massachusetts** in the **USA** and now this reptile is suffering from the turtle version of hypothermia – when body temperature falls below normal levels. Her strength is fading very fast.

After one final sweep of her exhausted front limbs, she goes limp. Bobbing on the surface of the water, her fate depends on the direction of the wind. If she's blown seawards, she won't survive. But luckily, the wind propels her towards land and she washes up on a beach.

Sapped of energy, the turtle lies motionless in the sand. She's still bitterly cold. If she doesn't get help soon, she won't have a chance of surviving.

### HELP ARRIVES

Taking a morning stroll along the beach, local resident Brian Long spots what appears to be a large boulder near the water's

edge. As he gets closer he realises that the rock-like object is actually a big **turtle** – she's been found!

The sea creature is so still Brian can't tell if she's alive. He quickly phones a conservation organisation called the **Massachusetts Audubon Society**. The call reaches its

director, Bob Prescott, who rushes to the beach in his pickup truck.

Once at the scene, Bob identifies the 76-cm-long animal as a **loggerhead sea turtle**. An **endangered** species, these turtles spend their summers in the north and their winters in warmer southern waters. "This loggerhead probably got lost while navigating down the coast and missed the chance to migrate before cold weather set in," Bob says.

The animal's eyes are closed and she's not visibly breathing. To check if the

From hatching to adult, this animal increases its weight by more than 6,000 times.

The weak turtle arrives at the rehab centre





# TILE

## RESCUE!

### TRAVELLING TURTLE

- 1 The rescued loggerhead is found on the shores of Cape Cod Bay.
- 2 She's taken to the New England Aquarium in Massachusetts for rehab.
- 3 Months later she travels by plane to the Georgia Sea Turtle Centre.
- 4 Finally she's released in the waters off Florida.



Some Pacific loggerheads migrate over 10,500km between nesting beaches.

### DID YOU KNOW...?

A cooler loggerhead nest will produce more male hatchlings, whereas a warmer one will produce more females.

turtle is still alive, Bob gently touches her neck. Slowly the big-beaked reptile raises her head. She's hanging on but urgently needs medical attention.

The two men hoist the 70kg animal onto a cart which they pull to Bob's truck, and they place the loggerhead onto a soft pad in the back. Bob drives the turtle to the nearby **Wellfleet Bay Wildlife Sanctuary**, where vets give her an initial examination.

Then a volunteer drives the loggerhead to the **New England Aquarium in Boston**, Massachusetts, where the turtle can begin her recovery...

Turn over to follow this frail loggerhead's remarkable recovery...



# TURTLE TREATMENT

Each autumn, the New England Aquarium's marine animal rehab centre helps 80–100 sea turtles with dangerously low body temperatures. Check out the techniques used at this 'turtle hospital' to treat the shelled patients...

## AN INSIDE LOOK

Upon arrival, turtles are **X-rayed** and their heart rates are measured with a heart monitor.



X-ray of  
Biscuits'  
skull

## SOUND HEALTH

Vets sometimes use **ultrasound** to help them find out if turtles have internal injuries. An instrument sends sound waves into a turtle's body and records data about how the sounds echo off tissue and internal organs. The data is used to create **images** of the turtle's insides.

## STRESS TESTS

Just like many other animals (including humans) turtles produce certain **hormones**, or chemicals, when they're stressed. The hospital measures these hormones in the bloodstreams of certain cold-stunned turtles to find out their stress levels.

## LASER THERAPY

Staff may beam a special **laser** into an injured turtle's body to help it heal. The laser stimulates the animal's blood flow and prompts its cells to start repairing damaged areas.



## STROKE OF LUCK

Very weak cold-stunned patients are initially kept in comfy crates instead of water tanks. Every day they take a dip in **paddling pools** filled with only a few inches of H<sub>2</sub>O so they can safely practise their strokes. After several 'workouts' the turtles are usually ready to enter the larger tanks.



It takes a group of caretakers to lift Biscuits into her pool at the New England Aquarium's rehab centre

## SHELL-SHOCKED

At the New England Aquarium's marine animal rehabilitation centre, staff give the loggerhead a check-up and a name – **Biscuits**! The turtle, thought to be around 20 years old, weighs in at 75kg – normal for an **adult man** but slightly underweight for a loggerhead of Biscuits' age. The exam shows that Biscuits is really not well. The freezing seawater damaged the turtle's skin, causing her to develop **open wounds**. She's **dehydrated** and an X-ray shows that she also has **pneumonia**.

But the rehab team's most pressing concern is that Biscuits has been **cold-stunned**. This is a condition that affects reptiles if their temperature drops too low. As their bodies cool, the animals' blood circulation slows. The limited blood flow causes the animals to go into shock. They enter a coma-like state, practically unable to move.

Biscuits is one of hundreds of sea turtles that become cold-stunned in Cape Cod Bay each year. Now her caretakers' goal is to raise her body temperature

from an extremely low 8°C to between 21°C and 26°C. But it won't be easy.

"We have to heat up the turtle very gradually," says **Adam Kennedy**, a biologist at the aquarium. "Warming her too quickly could be just as deadly as not warming her at all." A six-person team lifts Biscuits into a 1.5-m-long, **temperature-controlled** pool set to 12.8°C. Each day the rehabilitation team raise the thermostat by about 3°C.

As the temperature rises, Biscuits begins to move normally again.

To help her regain energy, the staff offer healthy meals of **fish** and **squid**. At first she won't eat a bite of the grub. But after three days the loggerhead starts nibbling on the food she's given.

To rehydrate the animal, the rehab team give her daily injections of **nutrient-filled fluids**. Biscuits also receives **antibiotics** for her pneumonia and a soothing **ointment** for her wounded skin. "She looks much better, and you can tell she feels better too," Adam says.

**Masirah Island**, in the Middle Eastern country of **Oman**, has the largest nesting population of loggerheads in the world. At least 30,000 females nest there each year.

NOW  
SHOWING  
**BABY  
LOGGERHEADS**  
on the new iPad edition  
of Nat Geo Kids!



## TURTLE TAKEOFF

By the time the water hits 24°C, Biscuits can be moved into the larger rehab tank. Soon she's swimming slow, graceful laps in her 7-m-long pool. Adam is thrilled by her progress but not that surprised. "We call loggerheads 'tanks' because they're such tough animals," he says. "Biscuits shows just how resilient they are."

But the turtle's rehab isn't finished yet. Now that she's stable, the team decide to send her to the **Georgia Sea Turtle Center on Jekyll Island, Georgia**, which is located closer to her release site. Here the staff will continue to prepare her for re-entry into the wild.

So, two and a half months after her rescue, aquarium staff load Biscuits into a cushioned crate and place her in a heated van. Then she's driven with three other recovering turtles to a small airport where they will take off for Georgia. To make the turtles' trip as quick and stress free as possible, a pilot has volunteered to fly them down in a **private jet!**

After the nearly three-hour flight, Biscuits and the other turtles are transported to the centre. Biscuits is placed in a circular tank, 3m in diameter, where she can continue practising her swimming strokes. The loggerhead is fed a steady diet of **fish, squid, and shrimp**, which staff scatter around the tank. Caretakers also put live **blue crabs** and

Georgia  
Sea Turtle  
Center  
staff  
unload  
Biscuits  
from the  
plane

**horseshoe crabs** in her tank so she can get used to catching prey again. These critters are some of a loggerhead's favourite foods in the wild. Biscuits quickly remembers how to snatch up the tasty treats in her beak, though she leaves a bit of a mess after a meal! "She's clearly enjoying these familiar snacks!" says **Terry Norton**, head of the centre.

A single  
loggerhead's shell  
can be home to as  
many as 100 tiny  
plants and  
animals.

## BACK TO THE SEA

A month later, Terry decides Biscuits is ready to return to the ocean. She's heavier, now, weighing nearly 82kg, and has proved she can catch live prey. Terry and a team of staff drive Biscuits about 140km south to **Little Talbot State Park in Florida**. Arriving at the release site, Biscuits becomes more active, moving around in her crate. It's almost as if she senses that she's close to home. "I think she can smell the ocean!" Terry says. When the team lowers her onto the sand at the water's edge, she immediately crawls into the crashing waves and swims away.

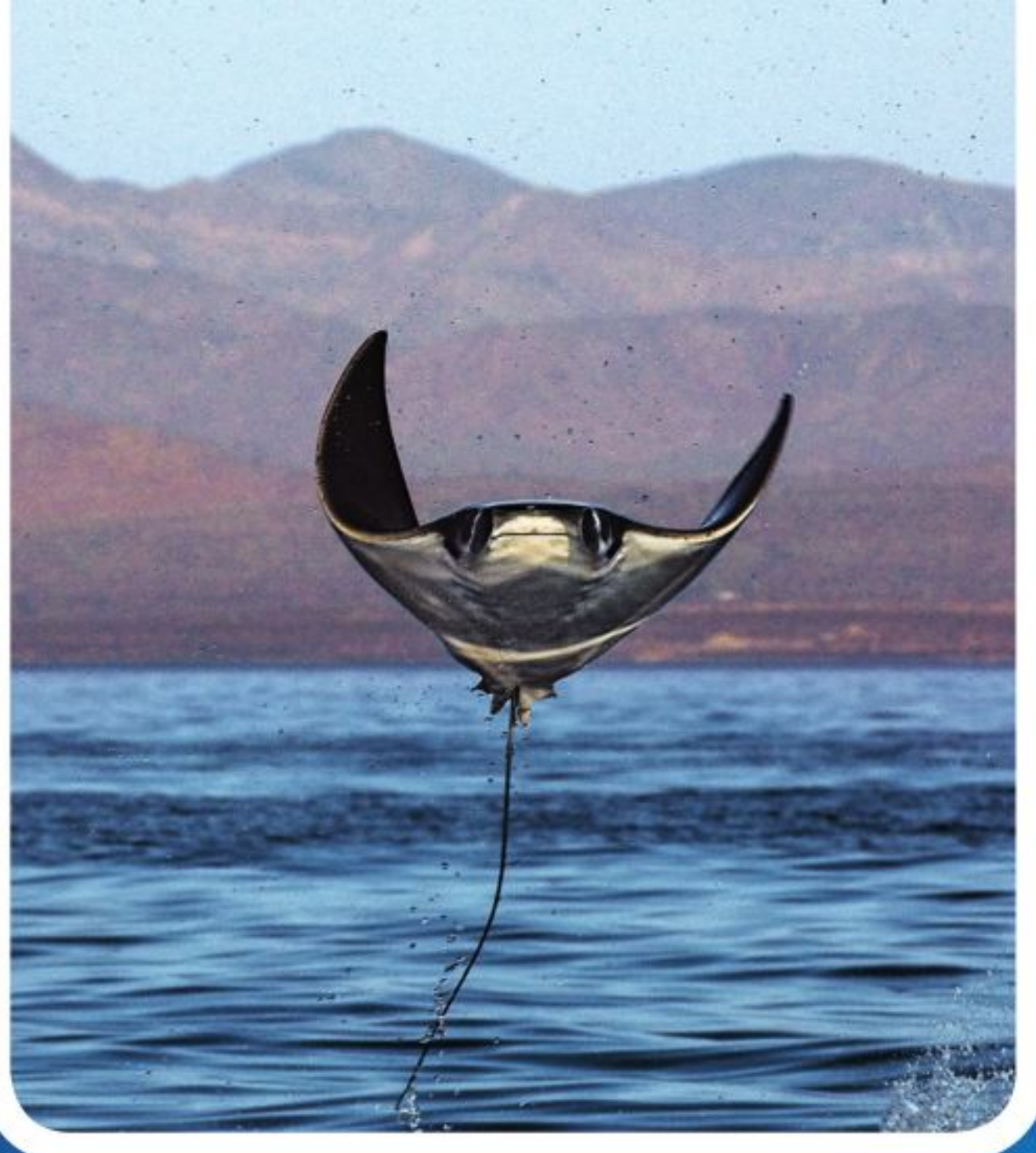
Thanks to the help of **hundreds** of amazing **animal lovers** from across the USA – many of them **volunteers** – the tough turtle has made a full recovery. "It's an amazing sight," says Terry. "Everything we do is for *this* moment – when a rescued animal gets back to the wild."

Biscuits  
returns  
to the sea

**DID YOU  
KNOW...?**

Loggerhead turtles may live for 50 years or more in the wild, but only about one in 4,000 hatchlings reaches adulthood!





# 1 COOL THING MANTAS CHECK OUT THIS WE

## 1 THEY LEAP HIGH OUT OF THE SEA

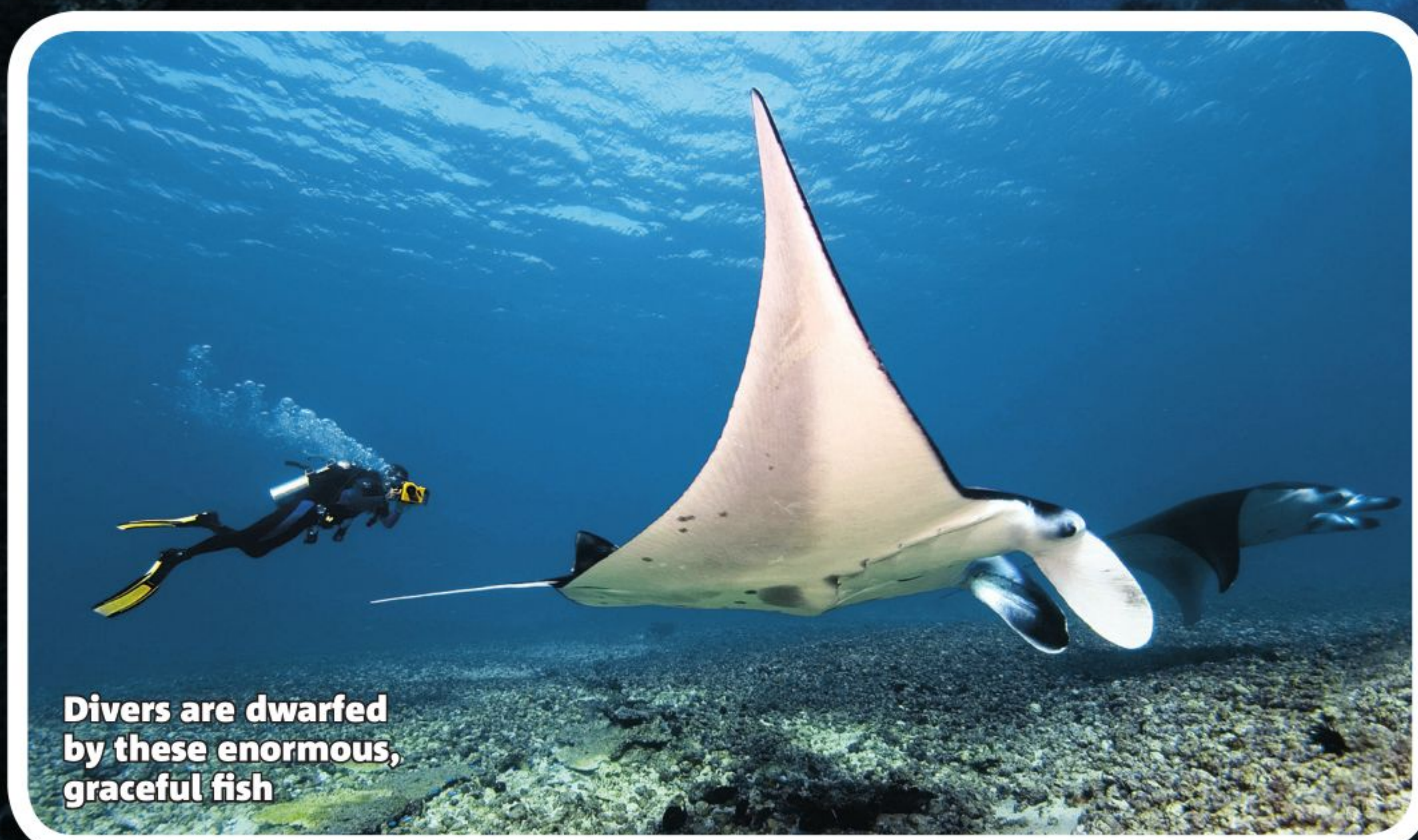
Most fish stay underwater. But not manta rays. They sometimes launch themselves out of the sea, a behaviour known as **breaching**. When they come down they create a colossal splash. "We think that they're using the noise to signal to one another," explains marine biologist Andrea Marshall, a manta ray expert from the Marine Megafauna Foundation.

## 2 THEY CAN BE GIGANTIC

They're named after the Spanish word 'manta', meaning 'blanket' – and no wonder! One species, the **giant manta**, has **winglike fins** that can stretch up to **9m across**, flapping like birds as they move through the water. They're so big that they'd stretch comfortably across four king-sized beds placed side by side! Weighing up to two tonnes (twice the weight of a small family car!), they're one of the largest fish in the sea.

## 3 MANTAS LIVE WORLDWIDE

Mantas live throughout the world in **tropical** and **subtropical** waters. Some stay near shore. Others migrate hundreds of kilometres and dive deep into the sea.



Divers are dwarfed by these enormous, graceful fish

## 4 MANTAS PLAY WITH BUBBLES!

Ever wondered whether fish like to 'play'? Well, manta rays certainly seem to enjoy interacting with humans! They'll circle scuba divers, inspecting them closely with their massive eyes and **playing in the bubbles** created by the divers' gear. Marine biologist Andrea uses these bubbles to **bond** with the mantas. "They shake with pleasure when they feel the tickle of the bubbles," she says. "So if one passes over, I blow bubbles on its belly to encourage it to stop." This helps her get close enough to collect measurements or DNA samples. Some mantas will hang around for 30 to 45 minutes interacting with the biologists.



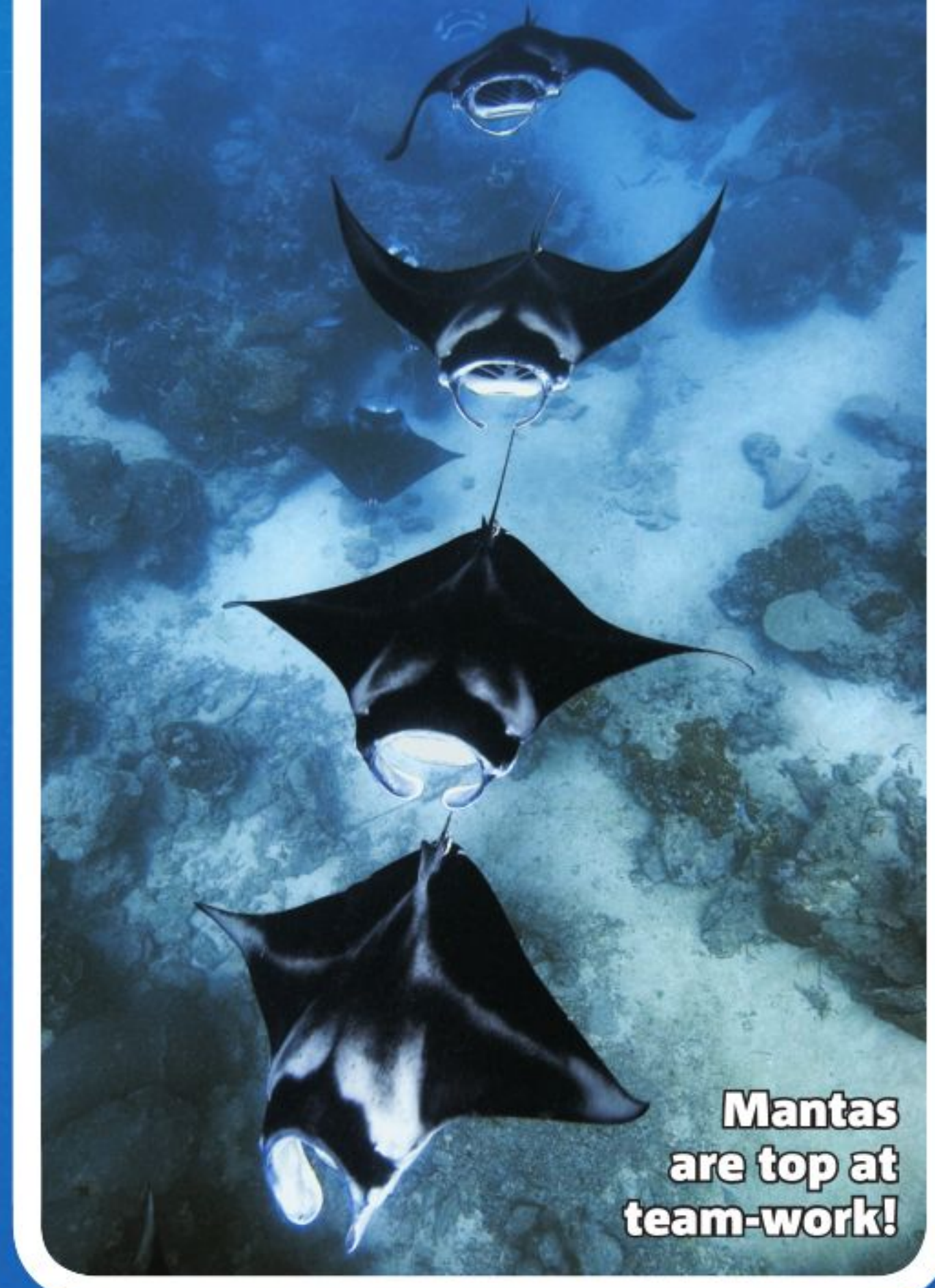
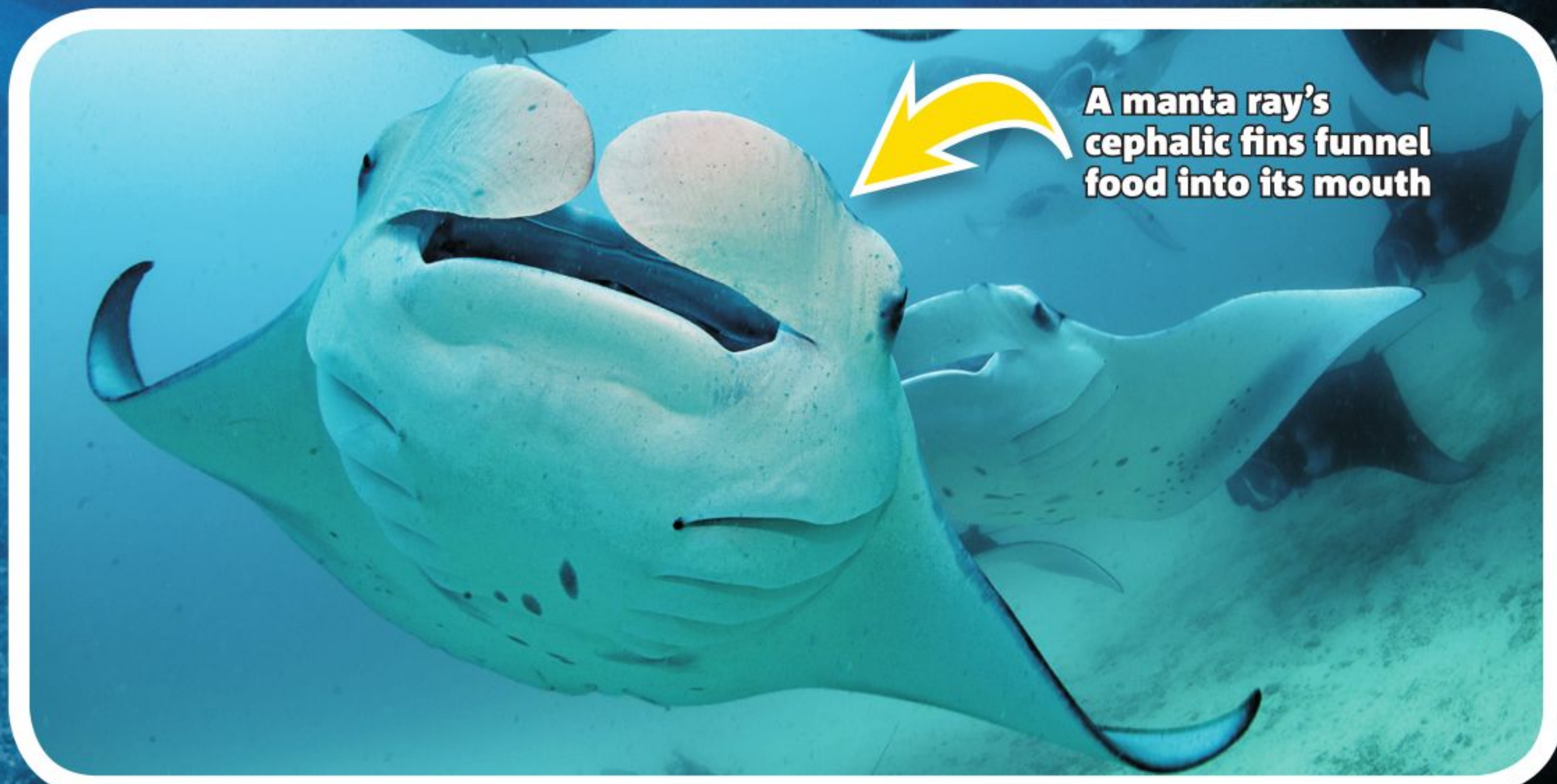
# INGS ABOUT A RAYS

IRD FANTASTIC FISH...



## 5 THEY'RE BRAINIACS

Fish aren't really known for their brainpower. But manta rays have the **biggest brain** (compared to body size) of any fish in the world. And this makes sense, because social animals often have huge brains. "Mantas are clearly social," says Andrea. "We often see them in groups of several hundred working together to feed on tiny ocean plants and animals called plankton."



Mantas  
are top at  
team-work!

## 7 THEY WORK TOGETHER TO MAKE TORNADOES!

Manta rays have a cool way to trap the plankton they eat. A long line of them will **swim in a fast, tight circle** to create an underwater 'tornado'. The spiralling water sucks in and holds plankton captive. The rays then devour the banquet that is trapped inside their swirling snare.

## 6 GIANT MOUTHS VACUUM UP FOOD

A manta's **mouth** can be 2.5m wide – that's longer than a professional basketball player is tall! When it feeds, the manta unfurls the long fins (called **cephalic fins**) on each side of its mouth. The fins, which can each be nearly a metre long, **funnel plankton** into the manta's extra-large mouth, which it opens to vacuum up food. Manta rays can trap plankton as small as a grain of sand, and a large ray will eat almost 30kg of plankton a day. Because **whale sharks** and mantas sometimes compete for the same food, hundreds of manta rays and whale sharks jostle and bump for mouthfuls of plankton, like giant kids fighting over a bag of sweets!

Words: Ruth A. Musgrave. Main image and manta rays in a row © Mike Veitch / seapics.com. Breaching: Brian J. Skerry / National Geographic Creative. Diver and mantas © Martin Strmiska / seapics.com. Cephalic fins © Michael Aw / seapics.com.



# Pigs at

Meet some of the



## DID YOU KNOW...?

Pigs are **omnivores**, which means they'll eat anything that's available – from plants, fruits, seeds, corn, meat and grubs to humans' leftover food.



# sea!

ocean's most surprising swimmers...



Imagine yourself sailing quietly around the crystal clear waters of the **Caribbean Sea**, the sun beating down on your shoulders as you gaze at the fish darting about below the surface. Your yacht slows and you grab a snorkel, leaping into the inviting warm water to see the colourful shoals up close.

Suddenly, from out of nowhere, you feel something nudging your side. You turn, startled, to see what it is. Your friend who's just jumped in after you? A sh..sh..shark?

Nope. It's a **pig**, an inquisitive porker that's swum out from the shoreline to greet you. Welcome to **Pig Island** in the **Bahamas'** sun-kissed **Exuma** archipelago...

## Piggy paddle

The tiny uninhabited isle, officially known as **Big Major Cay**, is home to more than 30 of the sand-loving squealers, who swim out, snouts above the surface, to investigate any visitors. "There's nothing that can prepare you for seeing a pig swimming out to your boat," laughs photographer **Mary Gabbett**, from ecotourism website Green Global Travel. "We were surprised and in awe to see them swimming so well."

## Hello, hogs!

So how did the island's unusual inhabitants get there? One theory is that a few pigs were **dropped off by sailors** who planned – but failed – to return to the island to eat them. Other people believe that the animals are descended from the piggy survivors of a **pirate ship** that sank. Mary, however, thinks the truth is rather different.

## Home from home

"We visited Pig Island in August 2013 while we were staying on a tiny neighbouring island called **Staniel Cay**," Mary explains. "The lady who was looking after us said her father's friend had kept pigs at his home but, because pigs can stink quite a bit, his neighbours complained. So he decided to **relocate them** to Big Major Cay, just a short boat ride away."

With access to drinking water, thanks to a **freshwater spring** on the



There are more than 700 islands in the Bahamas. Pig Island is in the Exumas, a long thin chain of 365 islands

Pigs can't fly, but they certainly **CAN** swim, using 'doggy paddle' to move through the water!



Pigs can get sunburnt, so they shelter from the sun by settling down...



... in a nice shady spot



The little squealers love life on the beach!



island, the pigs were left to roam free, and they slowly bred. "From time to time, the men would head over to the island, pick the fattest pig for slaughter and sell the meat to locals for their big Sunday supper," Mary says. "That way they didn't have to deal with the smell. It was an ingenious, enterprising idea."

## Super sea swine

Over time, the incredible porkers learned that the crews of passing boats would **throw their food waste overboard**, and so the pigs supplemented their island diet by foraging for scraps tossed into the ocean. And then, one day, the sea-loving bovines were spotted by tourist boats and word of their existence quickly spread.

Today, the pigs are no longer served up as the locals' supper. Instead, they live the life of luxury, lazing around in the shade of the island's wooded interior, playing on the beach and paddling out to passing yachts to **pig out** on free grub whenever holidaymakers pop by to take photos.

"Given the fact that these pigs now bring in lots of money as a tourist attraction, I have a feeling they should be in for a nice, long, happy life on Pig Island!" says Mary. We hope so, too!



# The BIG PICTURE





## Dinner time



This beautiful image, taken by photographer **Jorge Cervera Hauser** while he was diving off the coast of **Baja, Mexico**, sums up the wonder of our planet's seas. It's a snapshot of life beneath the waves, a **female sea lion** sizing up a gigantic school of **sardines**. The fish group together into huge **bait balls**, containing many thousands of individuals, to protect themselves from predators – in this case sea lions.

"It was one of the largest bait balls I'd ever seen," says Jorge, who works with **Pelagic Life**, a group that aims to protect the Mexican open ocean through inspiring underwater photography and eco-tourism. "I have a deep love of the ocean," he says. "I want to show people all the amazing stuff that's in our seas – and urge them to **look after** it."



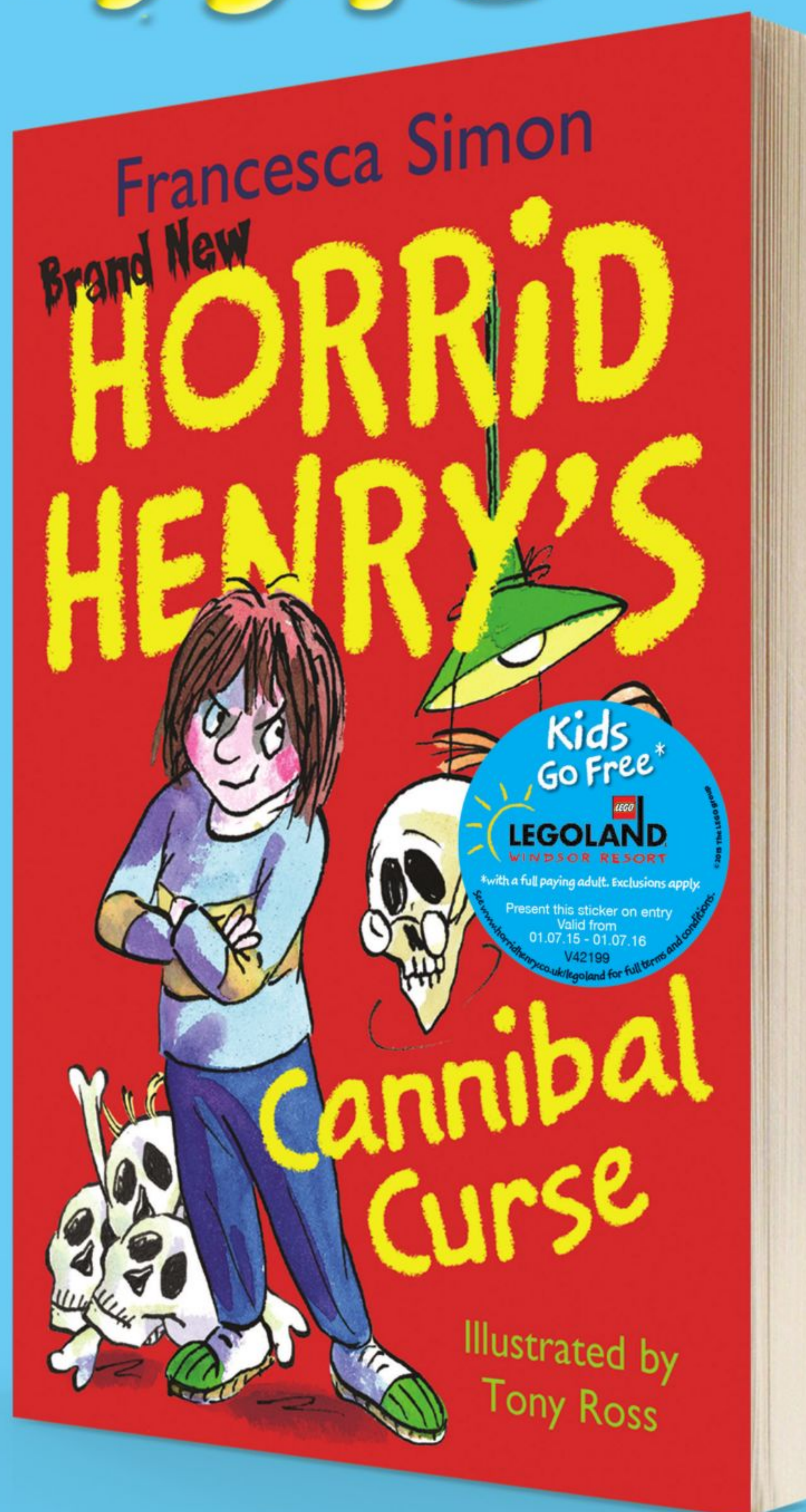


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# DARE to EXPLORE

Environmental anthropologist Kenny Broad dives into underwater caves to study how these mysterious ecosystems impact *people*. Here he tells NG KiDS about his cool job and a surprise encounter with a shark...



"My job involves **studying underwater caves**. Some of them are out in the **ocean**. Others are on **land** but have been flooded by **rising sea levels, rainwater**, or ocean water **seeping through the limestone**. These caverns can be as big as a *ballroom* or so small that divers have to squeeze through them.

"Although rarely visited by people, these caves affect how a lot of humans live. Many are sources of fresh drinking water for millions of people. So protecting these areas from **pollution** and the effects of **climate change** is important. These caves are also teeming with cool marine animals.

"Once, as I was emerging from a dark and twisting underwater cave off the **Bahamas**, I found a reef shark only a few

feet away, blocking my exit. These guys **are not aggressive**. The beautiful animal was just hanging out in the **cool water currents** coming from inside the

grotto. I didn't want to disturb it, so I remained where I was and we just **stared at each other**. Finally I gently slid my hand beneath its belly and slowly moved it to the side. Then I swam out.

"I don't think of my job as work. It's often **challenging** though.

Navigating through a cavern can be like tackling a **tricky**

**maze**. And sometimes, even with lots of flashlights, you can't see anything in the pitch-black passageways. But every time I glide through a majestic cavern, I feel lucky. I wouldn't want to be doing anything else!"

An **environmental anthropologist** is someone who studies the relationship between humans and their environment.

## WANT TO BE AN ENVIRONMENTAL ANTHROPOLOGIST?

**STUDY:** Biology, geology, history, maths, languages

**WATCH:** The *Ice Age* movies

**READ:** *The Silent World* by famous oceanographer Jacques Cousteau

Kenny dives in a cave on Grand Bahama island

Don't worry, it's just a reef shark!

**"Succeeding at your goals is all about practice. Get the proper training to explore safely – and don't forget to have fun!"**



Incredible stories from the files of...

# GUINNESS WORLD RECORDS



I'LL NEVER GET TYRE-D OF DOING THIS!

## TYRE-IFFIC TOUGH GUY



Super-strong **Denys Ilchenko** holds the world record for juggling objects with the heaviest combined weight. Denys, from Ukraine, can toss three tyres that together weigh a whopping 26.98kg, about the average weight of an eight-year-old kid. Let's hope he doesn't drop them on his toes!

See if you can break this pint-sized world record!



## PING-PONG POWER



How many ping-pong balls do you think you could bounce into an empty pint glass in one minute? The record, held by Briton **Stephen Kish**, is just six. But it's harder than it sounds! Reckon you could beat it? Go on then – give it go! (Pssst... you must be standing two metres away from the glass.)

Ping-pong power and Tyre-iffic tough guy: Ronald Mackenzie. All images: Guinness World Records.



Jack's a super swimmer!

## JACK TO THE RESCUE!



Meet **Jack the Black**, the fastest rescue dog in the world. Jack, a **Newfoundland**, is a member of German search-and-rescue team **DLRG**, and he's pulled many distressed people out of rivers and lakes around the country. In 2013, live on German TV, Jack set the record for 'retrieving a person from water over a distance of 25m'. It took him just over 1.5 minutes.





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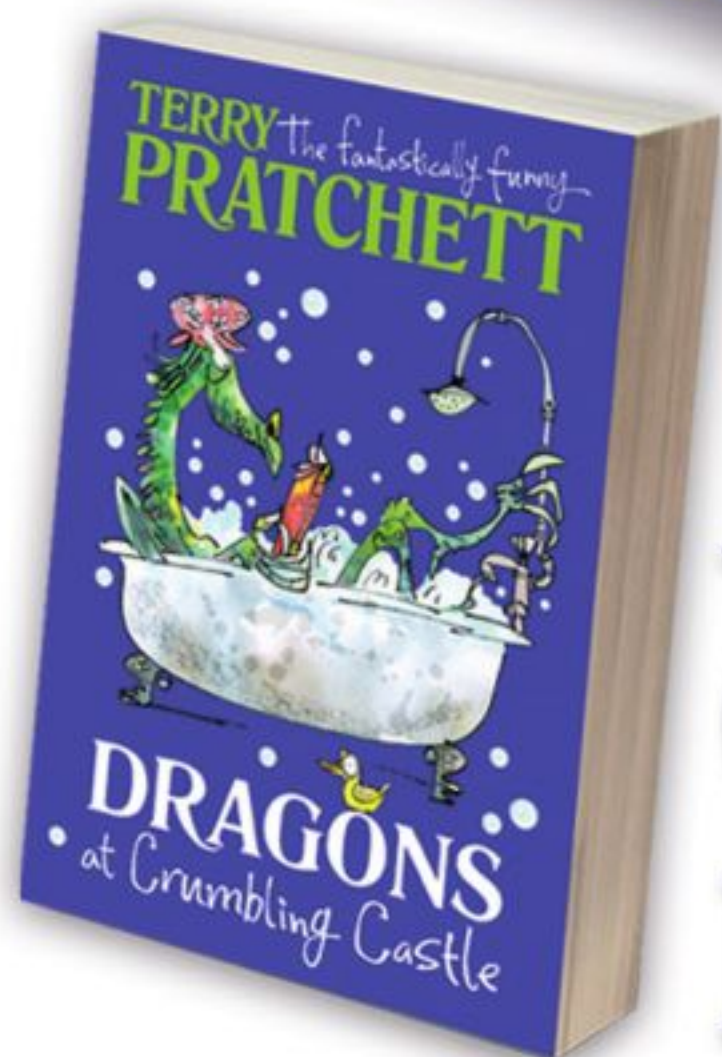
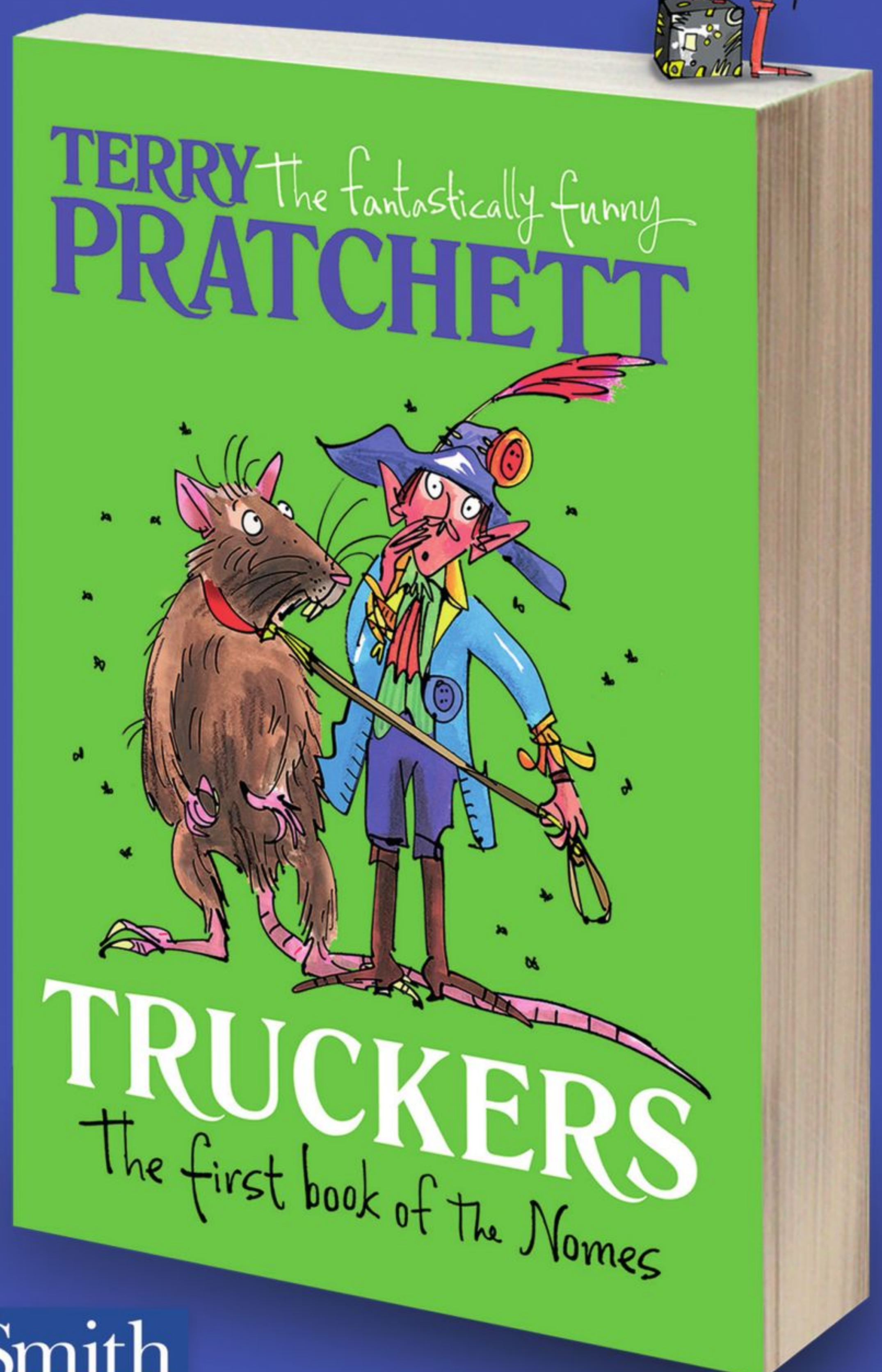


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# WACKY

## RESTAURANTS

Get a taste of these odd eateries!



Some restaurants serve up more than just good food – they provide an unforgettable experience, too. NG KiDS checked out six of the most unusual eating houses on Earth...

### FOOD FALLS

#### San Pablo City, Philippines

Now, this looks like a fun place to *splash* your cash! The **Waterfall Restaurant**, part of a hotel resort 85km from the capital, Manila, is an outdoor eatery located at the bottom of an artificial waterfall called **Labasin Falls**. The floor of the dining area is covered in 7cm of water and upon arrival, barefoot guests wade ankle-deep from leaf-covered buffet stations to bamboo tables just a metre or so from the surging stream. After sampling curries, meats and rice, you can take a dip in the waterfall. It's hard not to *gush* about this place.



Banana ketchup – a mix of banana, sugar, vinegar and spices – is a popular condiment in the Philippines.

### PIE IN THE SKY

#### Brussels, Belgium

Food fans who love living the high life flock to **Dinner in the Sky** whenever the breezy restaurant is hoisted into town. These pictures were taken in the capital of **Belgium**, but the pop-up diner's daredevil caterers travel all around the world hosting meals for hungry customers who sit around the chef – **dangling from a crane 55m above the ground!** We're not quite sure what you do if you suddenly need the loo, but this restaurant's clearly taken eating out to new heights.

Brussels sprouts got their name because so many were grown in the Belgian capital during the 16th century.

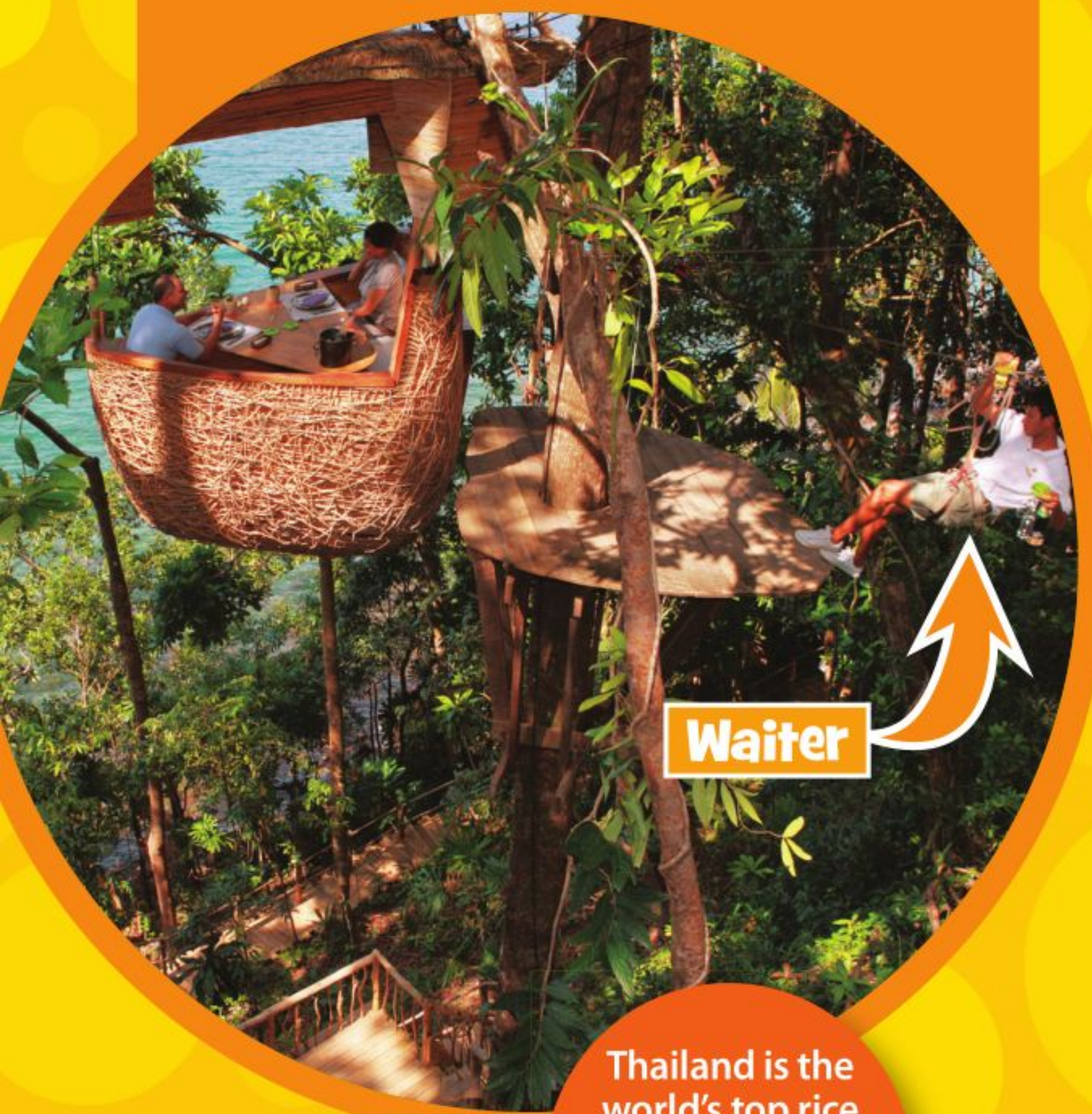




## TREE-TOP TREAT

### Koh Kood, Thailand

After hours spent splashing about in the sea and relaxing in the sun, guests at the **Soneva Kiri** resort (who have a head for heights) book a **Treepod** when their tummies start rumbling. Making themselves comfy in the circular rattan pod, diners sit back and enjoy the view as their breezy dining room is gently winched into the forest canopy. And, just in case that's not enough excitement for a lunchtime, **flying waiters** deliver the food and drink to the pod by **zip-wire**! Sounds like the coolest fast food in the world!



Waiter

Thailand is the world's top rice exporter, selling nearly 11 million tonnes around the world in 2014.

Grown in the Maldives, the Scotch bonnet chilli pepper can be 140 times spicier than some of the mildest jalapeños.



## DINING VROOM

### Salzburg, Austria

Gear up for an amazing dining experience. Architect **Markus Voglreiter** designed this restaurant to resemble a huge **Volkswagen Beetle** and he named it **Das Auto**, or **The Car**. Seating over 300 people, the vehicle-like venue includes headlight-shaped windows and a giant car number plate. Inside, diners can feast in one of the eatery's 'wheels', which even have fake rims – the circular metal frames that hold a car's tyres. It cost about £1.3m to create the building. Luckily for Markus, his auto-shaped restaurant is really *going places*.



Austria's Moststrasse – loosely translated as 'Pear Cider Road' – takes you through 200km of pear orchards.

## MEAL IN A WHEEL

### Wildwood, New Jersey, USA

Breakfast is a breeze at this revolving restaurant. Visitors to **Breakfast in the Sky** travel 45m in the air on a beachside big wheel while devouring gourmet food such as shrimp-and-lobster omelettes. Chef **Wally Jurusz** and his team cook all the meals inside a converted doughnut stall on the nearby pavement, then bring the grub to the ferris wheel. After guests get settled on the ride, they take off for an hour-long feast overlooking the **Atlantic Ocean**. The restaurant is only open from late July through to August, but it certainly puts a new *spin* on the most important meal of the day.



One of New Jersey's nicknames is the Clam State, so named because of the vast number of clams harvested from its Atlantic coastline.

## UNDERSEA EATERY

### Rangali Island, Maldives

Something's fishy about this restaurant, located nearly 5m **under the Indian Ocean**. Made with a clear material called acrylic, the tunnel-shaped venue gives diners a close-up look at manta rays, sharks and other marine animals as they swim by. Named **Ithaa** (meaning 'mother of pearl' in the local Dhivehi language), the undersea restaurant was built in **Singapore**, Southeast Asia, and shipped to the **Maldives**, an island nation more than 600km southwest of India. Then 85 tonnes of sand were placed in the structure to sink it onto steel columns that had been installed in the seabed. Guests enter Ithaa from an enclosed staircase that connects to a jetty, then tuck into their meals while watching the world *swim* by.



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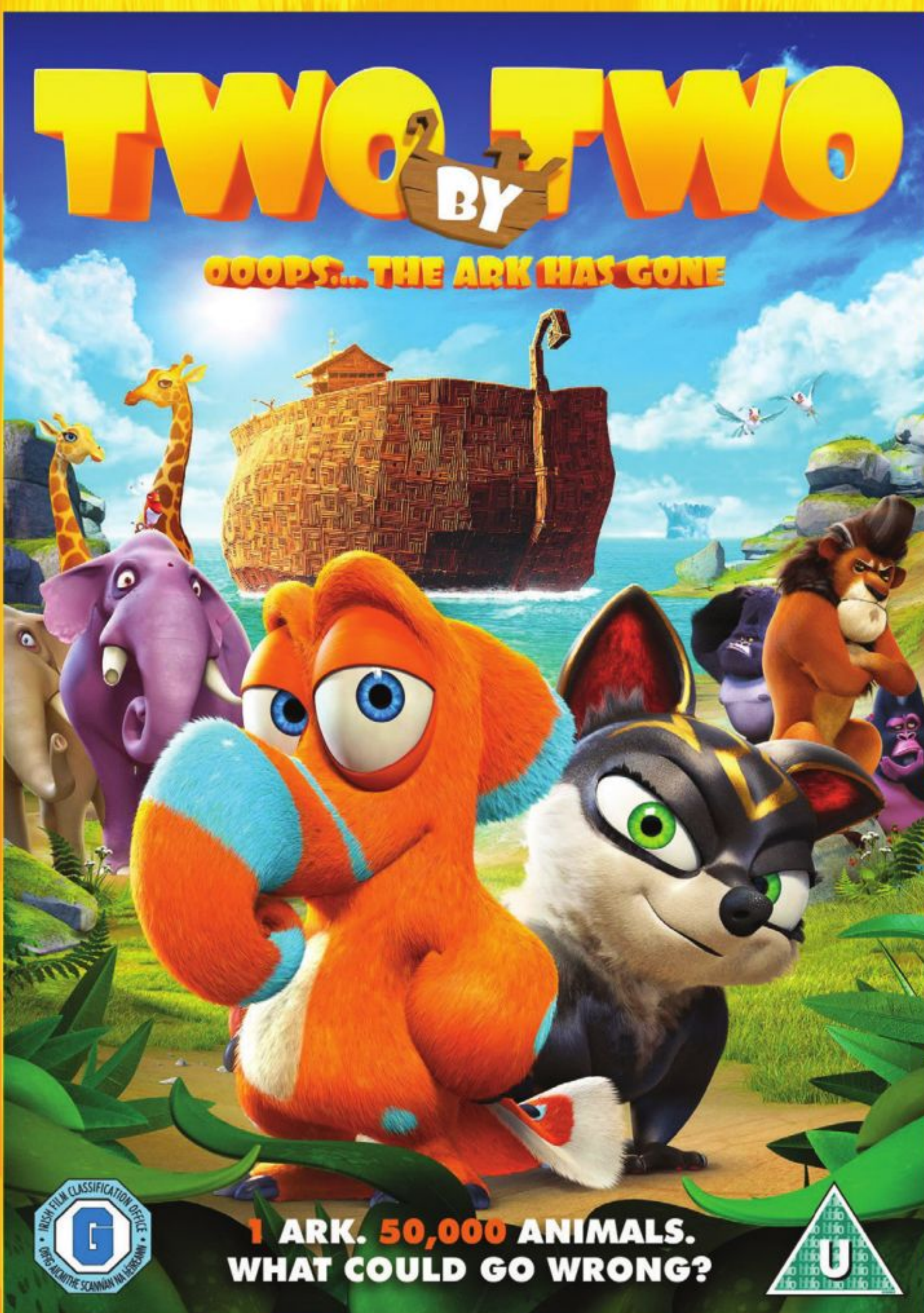
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**Bet you  
didn't  
KNOW!**

# 6 stellar facts about STARS

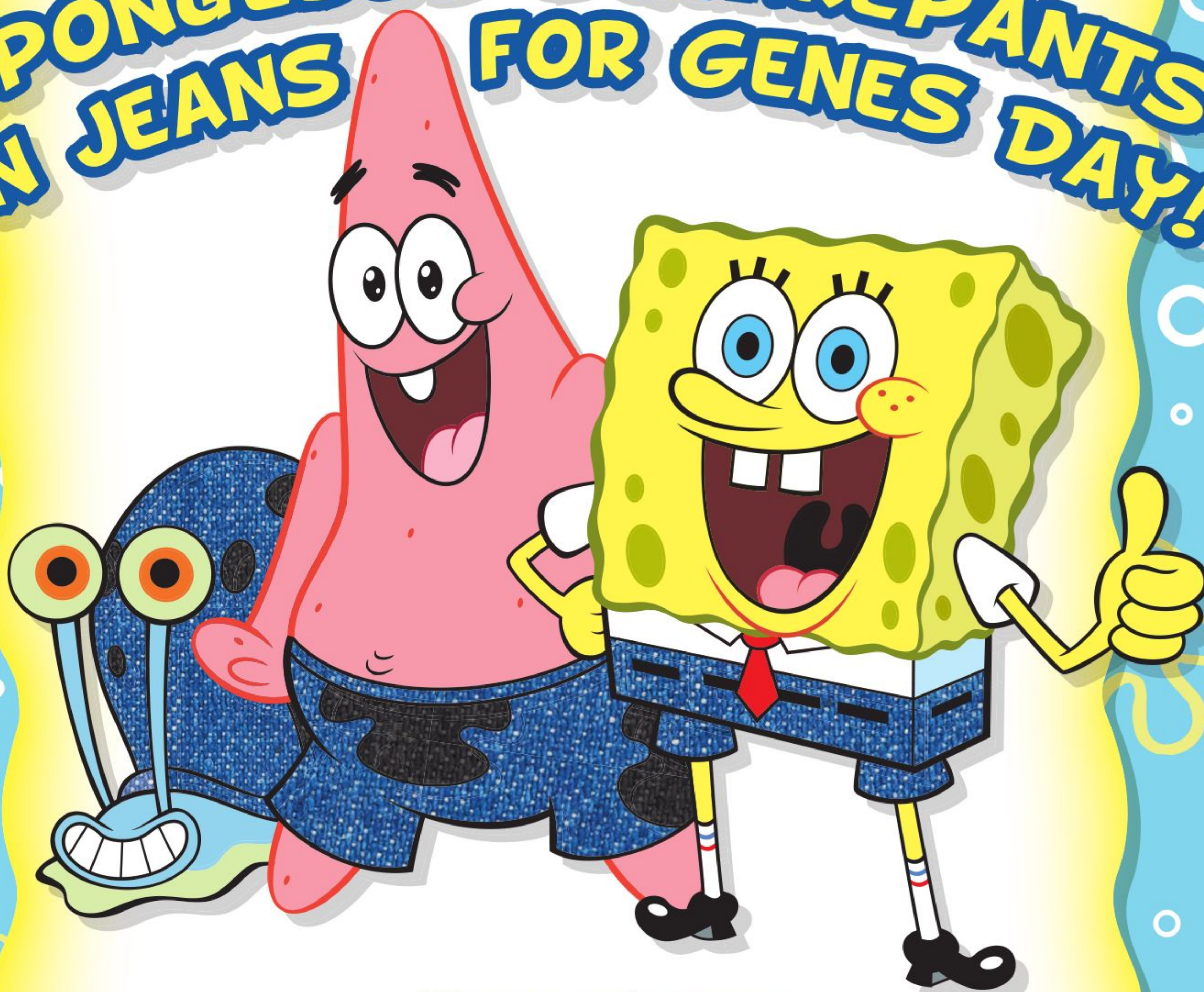
- 1** Our galaxy, known as the **Milky Way**, contains an estimated **200 to 400 billion** stars.
- 2** The fastest spinning star ever discovered, **VFTS 102**, rotates at **1.6 million kmph**.
- 3** A 'zombie star' is a surviving fragment of a star that exploded.
- 4** Scientists have created pieces of white dwarf stars in a lab.
- 5** Harry Potter characters **Sirius Black** and **Bellatrix Lestrange** were named after stars.
- 6** The star **VY Canis Majoris** is so large a plane would take more than a thousand years to orbit it.



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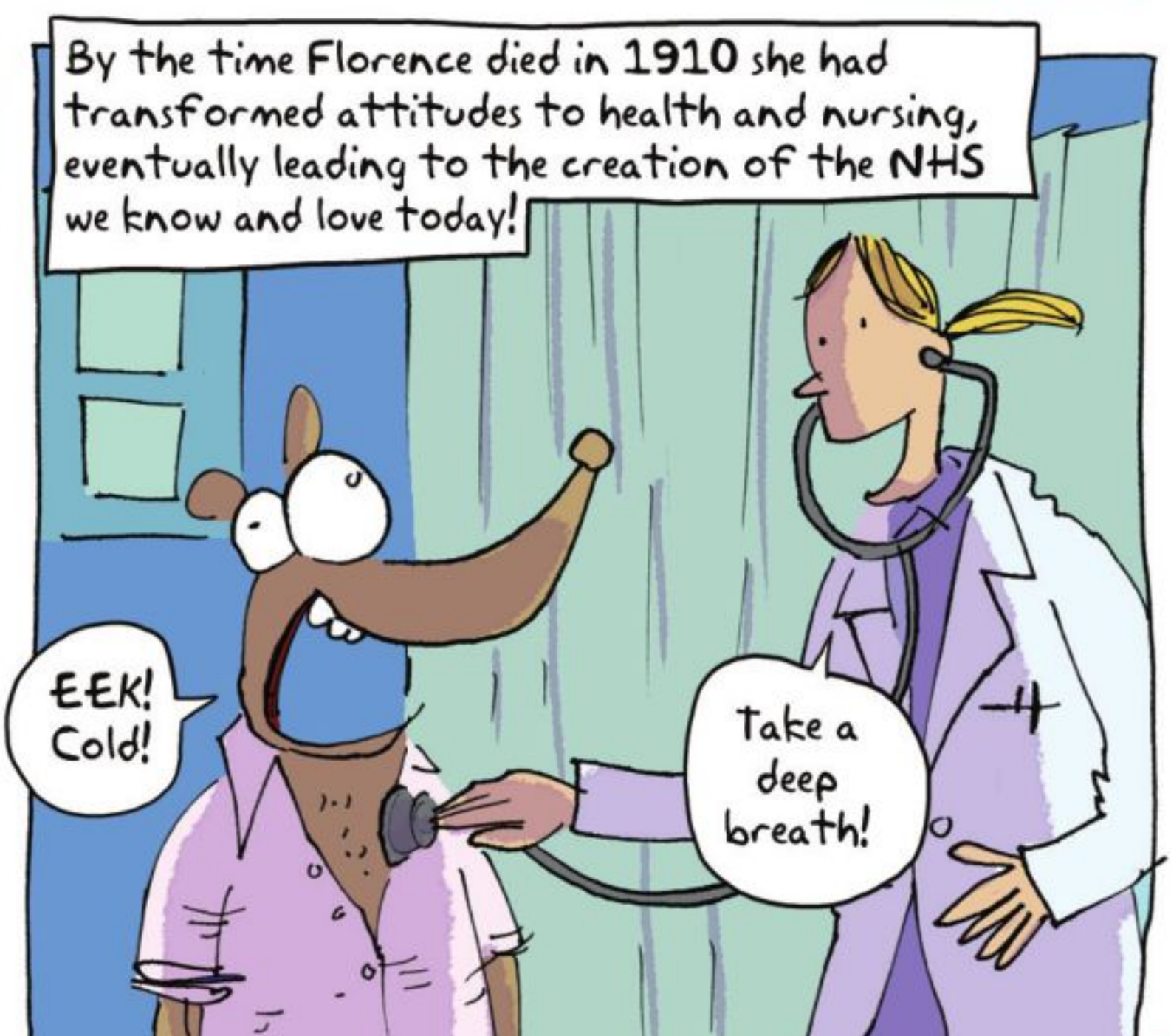
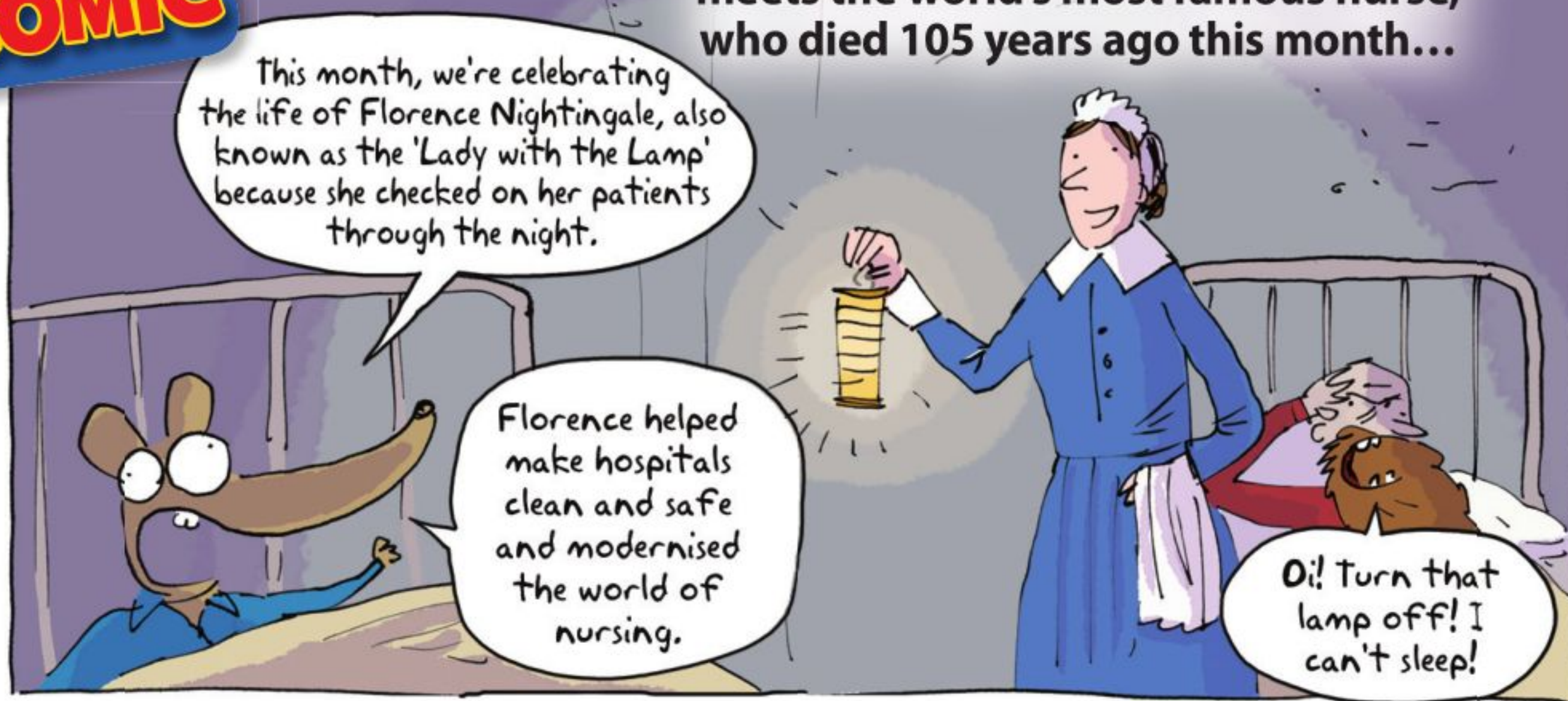




# FLORENCE NIGHTINGALE

NG KiDS' time-travelling mouse, Max, meets the world's most famous nurse, who died 105 years ago this month...

In 1854, Britain entered the Crimean War, a conflict with Russia. Unfortunately, the hospitals for soldiers were dirty, overcrowded and infested with rats. Disease was rife.





# Animal Jam

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# Junior Reporters' CLUB

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## OGRE ADVENTURE!

My brother Alex and I visited **Shrek's Adventure** in London. When we arrived we were given a pair of flashing Shrek ears and we set off on a magical bus ride. We glided through the starry night and explored different magical settings. My favourite was definitely the mirror maze – my brother spotted Mum and walked forwards, but he bumped into a mirror as it was just her reflection! Afterwards, we met many other characters including **King Julien** from *Madagascar*, who had a little dance with my Mum. Overall, **Shrek's Adventure** is amazing and really worth visiting.

Arianna Samaria, 10

● Sounds like a brilliant day out, Arianna. We're green with envy!

## Write to us!

Every reader featured on these pages will master the perfect throw with their very own **Fast Arrow** from Revell. So get ready for hours of exciting **Summer Action**!

✉ **Post us a letter!** NG KiDS,  
Unit 1.04 Clerkenwell Workshops,  
31 Clerkenwell Close, London EC1R 0AT

@ **Send us an email!**  
[kids@ngkids.co.uk](mailto:kids@ngkids.co.uk)

We're sorry, but we won't be able to return your art or photos.

**Try to make your pictures as bright and colourful as you can!**

Summer Action toys are available from all good retailers. Check out [revell.de/en](http://revell.de/en) for more info!

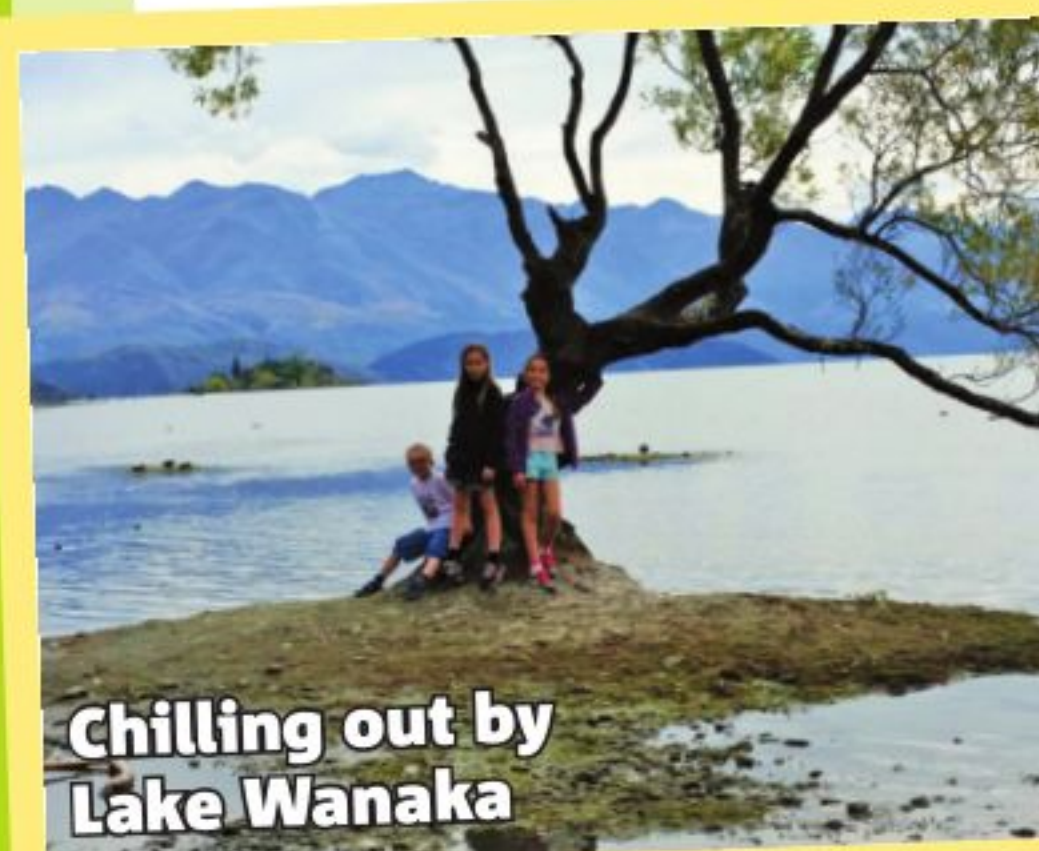


## TRIP OF A LIFETIME!

I went on holiday to New Zealand with my twin sister Lara, my six-year-old brother Leo, plus my parents, nanny and grandad. It was so much fun! We travelled around the South Island in a campervan and visited lots of cool places such as **Wanaka**, **Queenstown**, **Arrowtown** and **Cable Bay**. But my highlight was **Hanmer Springs**, a water park with hot sulphur pools and a slide which was a massive slippery bowl with a 'plug hole' at the bottom. Awesome! The three-week holiday was great – we saw roaring **waterfalls**, glaciers and even colourful **pukekos** (a type of bird). It really was a holiday to remember!

Grace Stimpson, 9

● What an amazing trip, Grace. Thanks for telling us about it!



## Quick question

This month,  
we ask NG KiDS  
readers...

**What's your  
favourite sea  
creature?**



**Louis, 11**

Blue whales are my fave because they're so large!



**Sofia, 11**

I love great white sharks – they're just awesome!



**Adam, 6**

Jellyfish! They've been around longer than even dinosaurs!



**Jessica, 9**

My favourites are dolphins. I've kissed one!



**Harry, 9**

I really like sharks because they're super smart!



## SENSATIONAL SNAPS!

I went to **Attenborough Nature Reserve** in Nottinghamshire to do some photography because I thought there would be some cool stuff to see. It was amazing! I took pictures of a dragonfly, a robin, ducks and a butterfly. I wanted to show you the butterfly as I found out that it was a rare **Large Blue butterfly**. I hope you like it!

Olivia Thomas-Neher, 12

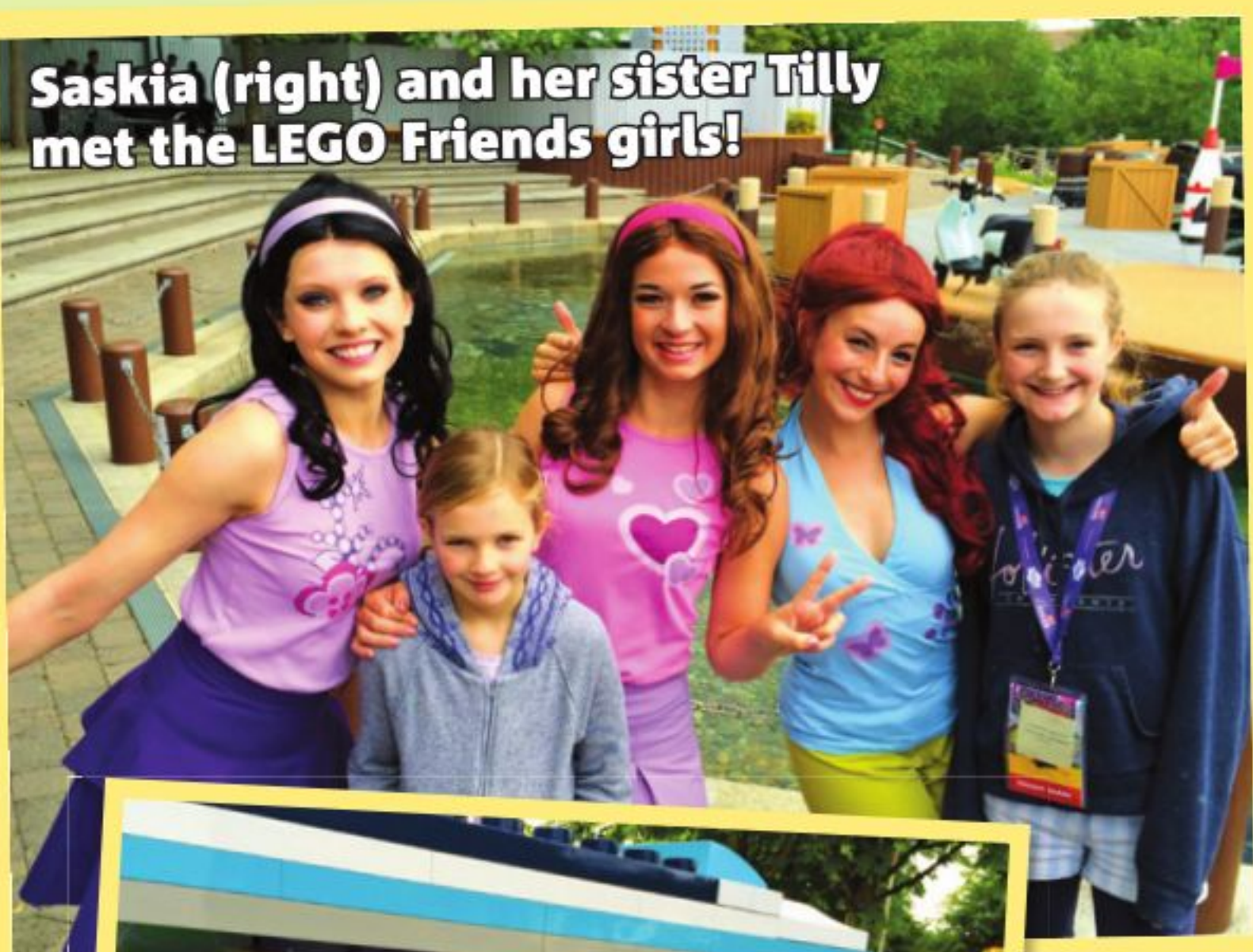
● Beautiful pic, Olivia! Make sure you enter our photo comp next month!

We love seeing your pictures, so keep emailing them in for a chance to be in the mag!



Olivia snapped this awesome insect!

Saskia (right) and her sister Tilly met the LEGO Friends girls!



## FUN WITH FRIENDS!

I visited **LEGOLAND Windsor** and headed straight for **Heartlake City**, the new **LEGO Friends World**! My brother, sister and I tried **Mia's Riding Adventure**, one of the exciting new rides. We spun around on the LEGO Friends ponies – they were fast and fun and there was lots of screaming!

Lifelike LEGO Friends animals were everywhere, together with life-sized models of Mia, Olivia, Andrea, Emma and Stephanie. We explored **Olivia's House** and then watched a spectacular

live performance from the girls, set around the harbour. The LEGO Friends sang, danced and even rode a moped and jetski. It was awesome!

Saskia Boyns, 11

● Looks like you made some fun new friends, Saskia!



Time to chill!

## DIGGY DIGS DAVE!

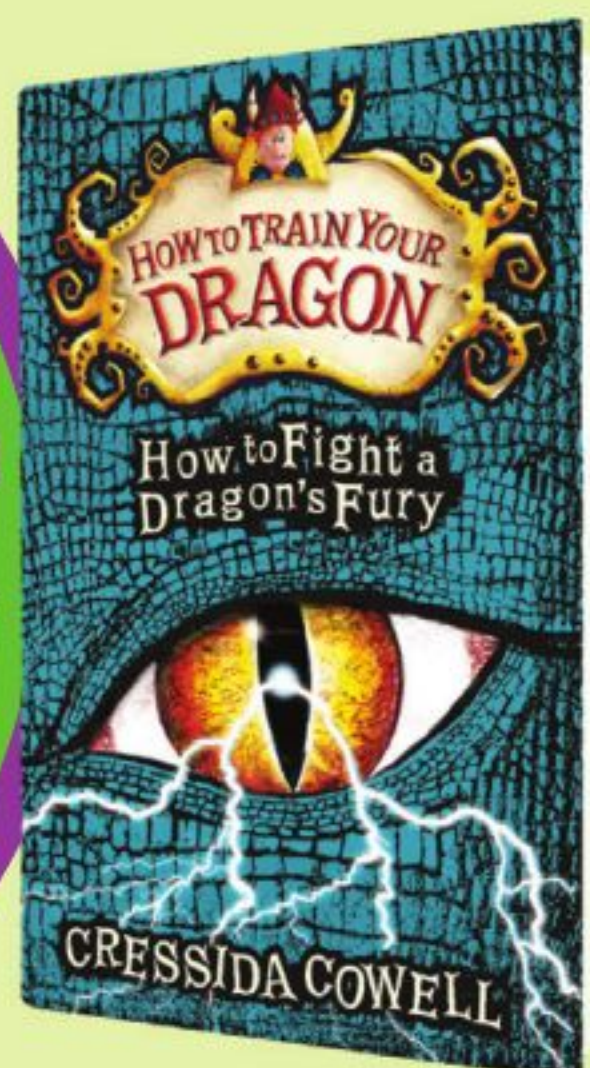
Here's a picture of me with my puppy **Diggy** and his best friend **Dave**, the Buff Orpington chick. Normally, Jack Russell terriers like eating chickens but as Diggy grew up with Dave they are best friends. I hatched Dave from an egg in our incubator. His shell cracked open on Easter Monday. Cheep cheep!

Daphne, 8

● We love this picture, Daphne. Dave and Diggy look well cute together!



Got a question you'd like to ask **How To Train Your Dragon** author **Cressida Cowell**? Then head over to [ngkids.co.uk/dragon](http://ngkids.co.uk/dragon) and let us know what it is! We'll put the best questions to Cressida – if yours is picked, you'll win a copy of the latest **How To Train Your Dragon** title, **How to Fight a Dragon's Fury**, out in September!



## ADVERTISING PROMOTION



**BANANAGRAMS** is the award-winning word game that will drive you... bananas!

Players race against each other to build crossword-style grids and use up all their letter tiles. But there's no turn-taking here – it's a madcap race to the finish!

Perfect for all little monkeys – from age seven to 107!



**WIN!**

Each month, we're giving you the chance to win an **AWESOME BANANAGRAMS** game of your own! This issue, just solve the puzzle below, then turn to page 55 to enter. Good luck!



## SUPER SEA CREATURES

The names of these nine marine animals slot perfectly into this grid. But can you work out which one fits into the red tiles?

**Dolphin Octopus Sardine Sea Lion Shark Squid Stingray Turtle Whale**



RRP £14.99.

Available at all good toy stores, including **John Lewis, WH Smith, Toys R Us and Waterstones.**

Also available online at [winningmoves.co.uk](http://winningmoves.co.uk)





# Stomp away with K'NEX Beasts Alive!

If you like dinosaurs and dragons, you'll LOVE the brand new **Beasts Alive** range from K'NEX. With nine ferocious beasts to collect and build, the only limit is your imagination!

One of our faves is **Stompz** (right), a fierce dragon made from more than 350 K'NEX pieces, whose legs and wings move so you can watch him come alive. Cool!

Three lucky winners will each win all **nine creatures** in the K'NEX Beasts Alive range!



**Q** Which of the following beasts has a sting in its tail?

- a) Rabbit b) Scorpion c) Clownfish

● Find out more about Beasts Alive at [knex.co.uk](http://knex.co.uk)



## Sneak off with a Sshh! Don't Wake Dad! game!



In this brilliant new electronic board game from **Drumond Park**, players must creep past a sleeping dad as he snores and snorts in bed! Move around the board avoiding the howling cat, the tinkling bell and the hooting owl – but if you *do* wake dad, he'll jump up like a zombie! The first player to get to the fridge and grab the chocolate cake is the winner!

Will you be one of 22 readers to bag this bonkers **Sshh! Don't Wake Dad!** game?

Answer this question to be in with a chance of scooping this prize!

**Q** Unscramble these letters to reveal something you might do when you're asleep...

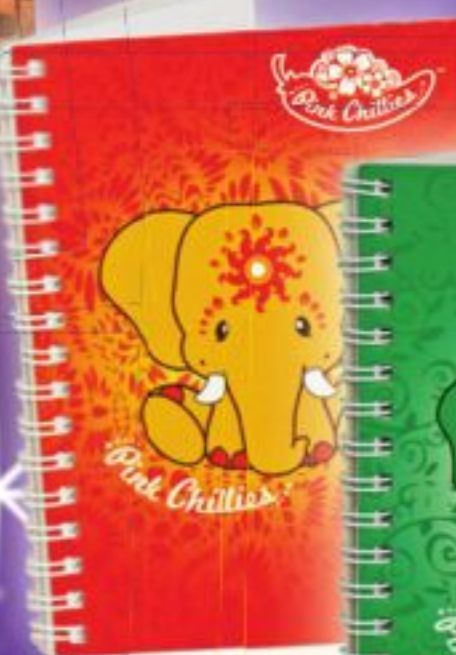
**RONES**

● For stockists and to play great games online, visit [drumondpark.com](http://drumondpark.com)



# PRI PLAN

Enter on page  
Just head to m  
or scan this



## Win cool cute Pink Chillies prizes!

To celebrate the launch of **Pink Chillies'** hot new app, we've got some super-cute **elephant goodies** to give away. Yay!

Download the free\* app to meet the magical and very loveable **Pink Chillies elephant family!** Discover their magical powers, find out what makes them special, build puzzles, test your memory and get lost in hours of fun! Plus, learn about endangered species and the environment!

Twelve lucky readers will each win an amazing set of **Pink Chillies** prizes, including two cuddly **plush toys**, one cute **Elebank** for saving your pennies, two **bag clips** and four **notebooks**. Cool!

**Q** Which of the following is NOT a species of elephant?

- a) African elephant b) Asian elephant  
c) European elephant

● The app is available now on **iTunes**, **Kindle** and **Googleplay**. For more information visit [pinkchillies.com](http://pinkchillies.com) – Pink Chillies products are available from [amazon.co.uk](http://amazon.co.uk) and [adelbrook.com](http://adelbrook.com)

\* Parental sensitive in-app purchases apply



# WIZARD NET!

55 or online!  
argos.co.uk  
QR code...



## Scoop a super SeaScope!

84  
CHANCES  
TO WIN!



Explore on land or underwater with the cool **GeoSafari SeaScope**, a powerful 4x **telescope** complete with removable **Aqualite** flashlight! Perfect for viewing objects above ground or exploring wildlife in streams, ponds, lakes or rock pools, the **SeaScope** is the ideal piece of kit for budding scientists. Measure specimens on the spot with the built-in ruler and calculate the temperature using the thermometer strip.

Just answer this question for your chance to win one of **16 SeaScopes**!



**Q** Which of the following would you NOT find in a rock pool?

- a) Limpet
- b) Sea anemone
- c) Tortoise

● **GeoSafari SeaScopes** are available at [learningresources.co.uk](http://learningresources.co.uk)

## Create yummy chocolate Minions!

The loveable **Minions** seem to have invaded everywhere this summer, and now you can even have them in your tummy by creating your very own tasty **Minions chocolate bars**! The new special-edition **Minions Make-a-Bar Chocolate Factory kits** contain three types of Belgian chocolate plus Minions templates – everything you need to design and make choccy bars featuring your favourite **Minions** characters. It's Kevin, Stuart and Bob as you've never seen them before. Tasty!

Twenty-seven lucky winners will each receive TWO **Minions Make-a-Bar Chocolate Factory kits** – will you scoff the lot or make scrumptious gifts for someone special?



**Q** Unscramble these letters to reveal an important ingredient in chocolate...  
**ACOOC TUBRET**

● **Make-a-Bar Chocolate Factory kits** are available from [argos.co.uk](http://argos.co.uk). For more info, head to [makeabar.co.uk](http://makeabar.co.uk).

Minions is a trademark and copyright of Universal Studios. Licensed by Universal Studios Licensing LLC. All Rights Reserved.



## Bag a Puffin Books set!

We've teamed up with **Puffin Books** to give four readers the chance to win a whole summer's worth of holiday reads! Twenty classic Puffin books have been re-published this month with amazing new cover designs for a whole new generation to enjoy – and they could ALL be yours!

Bringing together fairy tales, historical fiction, inspirational true-life stories and comic mis-adventures, these timeless books have been carefully chosen for modern readers. Will you fall in love with **The Velveteen Rabbit**, enjoy the hilarious capers of **Madame Doubtfire** or get thrilled by **The Wolves of Willoughby Chase**? You're set to have the most exciting summer ever!

Answer this question to be in with a chance of winning one of four sets of these **20 Puffin books**.

**Q** Which of the following is another name for a puffin?

- a) Auk b) Dork c) Fork

● The **A Puffin Book Collection** is available from all good bookshops.

Enter ALL comps on page 55!



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### GIFT 1



**Worth  
£15.99**

### PAIRS in PEARS!

Get your thinking caps on, gang, and get ready to play some seriously sweet games. Perfect for all you brainboxes out there, PAIRS in PEARS will truly put your word-building and pattern-matching skills to the test!

This brilliant pear-shaped bag of fun comes with two exciting games, where players must race to create word grids in the fastest time possible. So take on your family and friends, and see who can claim victory with this top brain-boggler!

Available from all good retailers. For more great games, head to [bananagrams.com](http://bananagrams.com)

### GIFT 2



**Worth  
£7.99**

\* The first 50 people to subscribe to either the magazine, iPad edition or both will receive the above free gifts, subject to availability. Thereafter, all new subscribers to the magazine or iPad edition will receive three free, random stock gifts. Maximum of three gifts per subscriber. Offer ends 12 September 2015. Please note, the monthly gifts given away with subscription copies may vary from the gifts available with magazines sold at retail outlets. For full Ts&Cs please visit [natgeokid.subscribeonline.co.uk/terms-conditions](http://natgeokid.subscribeonline.co.uk/terms-conditions)



# DAY!

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## Spot The Difference!

Do you have a keen eye for detail? Can you concentrate under pressure? Then put your skills to the test in this exciting **Spot The Difference Mini Game**!

Race against your opponent to see who's the first to find five or ten differences between two colourful pictures. The quickest eyes will claim first prize! With its compact design, this is the perfect game for your travels. You're sure to have hours of fun!

Available from [amazon.co.uk](http://amazon.co.uk) and all good toy retailers. For more info, head to [university-games.co.uk](http://university-games.co.uk)

**GIFT 3**



**Worth  
£9.99**

## Flying Bird

Get ready for takeoff with the amazing **Flying Bird**! By flapping its tear-proof wings, this top toy can fly up to a whopping 50m in the air! And because it's powered by a clever rubber band mechanism, it doesn't even require batteries. Simply turn the handle, adjust the tail, release the switch and launch...  
...whoosh!  
Take it down the park with your friends and see how high yours will fly!

Available from [amazon.co.uk](http://amazon.co.uk)





# We've got the WINNERS!

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*Fastest, slowest, BIGGEST, tiniest, smartest, LOUDEST, smelliest... who rules in the animal kingdom? Find out which*

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# weird but true!

## Check out these outrageous facts!



A BLUE WHALE CALF CAN GAIN 3.6kg IN WEIGHT EVERY HOUR DURING ITS FIRST SEVEN MONTHS.

A PALM TREE IS NOT A TREE – IT'S MORE CLOSELY RELATED TO GRASS.



SOME DOGS ARE ALLERGIC TO CATS.

A LEGO FIGURE MODELLED AFTER QUEEN ELIZABETH II HAD A REAL DIAMOND CROWN ON ITS HEAD.



Together, a tarsier's huge eyes can weigh as much as its brain.



FULL MOONS APPEAR BRIGHTER IN WINTER THAN IN SUMMER.



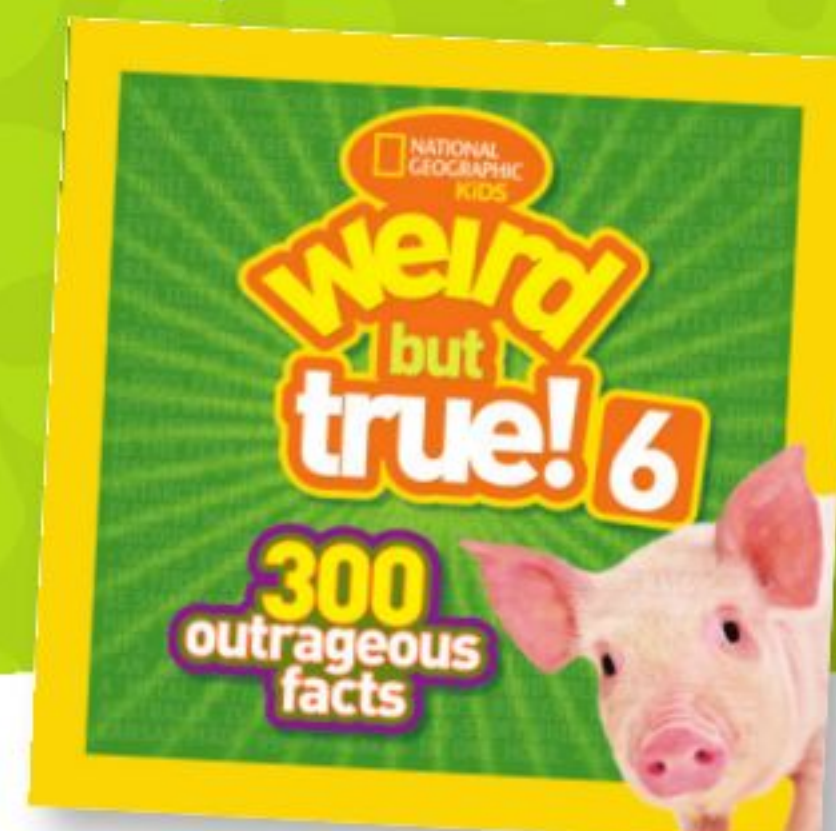
A MACHINE WAS INVENTED TO TURN SWEAT INTO DRINKING WATER.



KOMODO DRAGONS OFTEN VOMIT WHEN THREATENED.

Early baseballs were sometimes made of fish eyes covered in leather.

Read more wacky facts in NATIONAL GEOGRAPHIC KIDS' Weird But True! 6: 300 Outrageous Facts, in bookshops now!





# Fun stuff!

Puzzles, laughs and lots to do!



## SAVE OUR SHIP

Strange things are happening on this cruise ship, and the guests are sending out an SOS! Can you figure out a **three-word phrase** that describes each of the numbered scenes? The first and last words always begin with an 's', and the middle word always begins with an 'o'. For example, the answer to number one is 'sailor operates saw.' Good luck! ANSWERS ON PAGE 56

HA HA  
JOKES!  
HEE HEE

Q What lies at the bottom of the ocean, trembling? A A nervous wreck! Q Where do killer whales

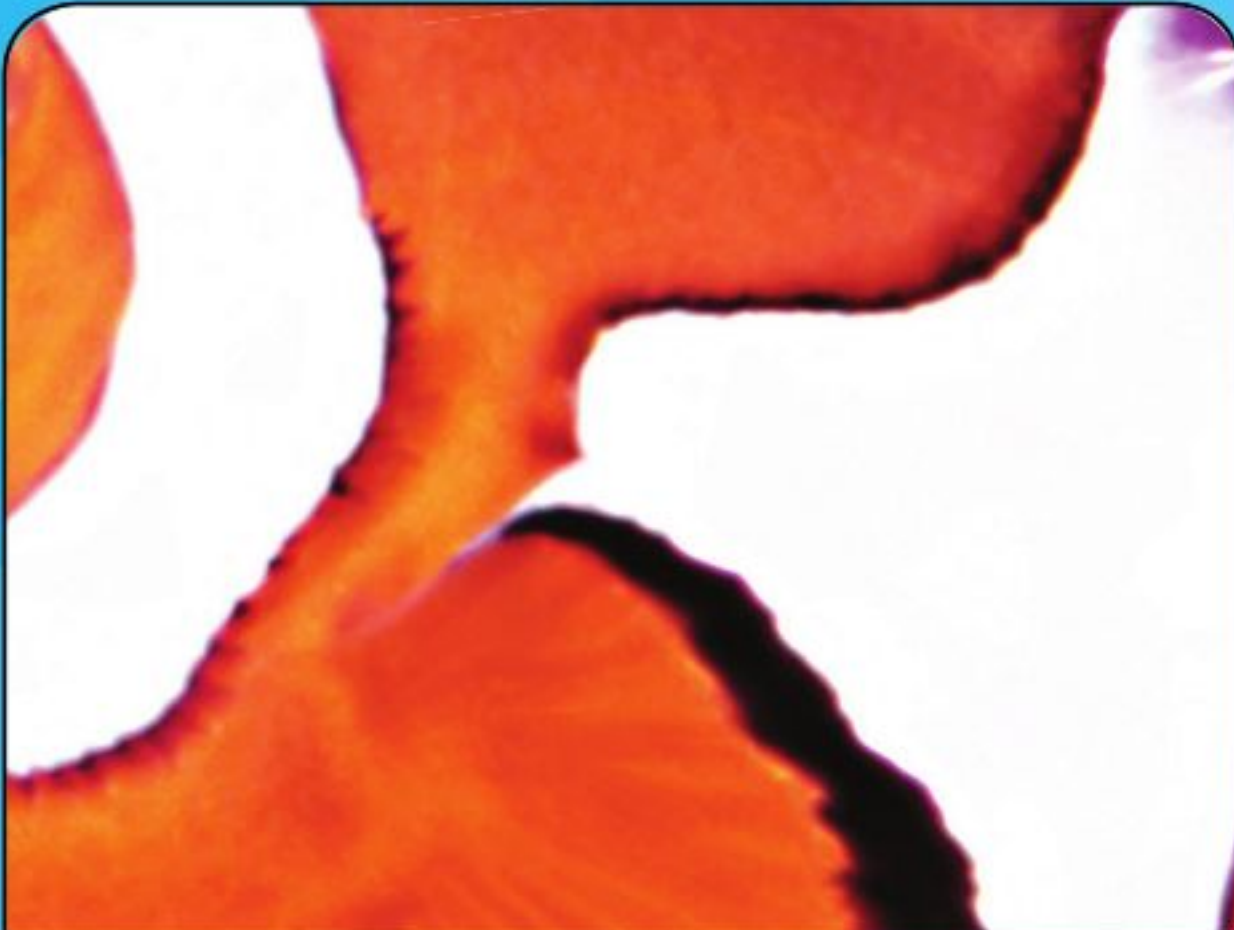


# What in the WORLD?

## ALL AT SEA

These close-up photos show creatures and objects you might spot in or near the water. Unscramble the letters to help identify what's in each picture. Then use the highlighted letters to help you answer the joke below.

ANSWERS ON PAGE 56



**H**NLOCISFW



NILOP**D**H



O**R**LCA



**F**IEL TKCJEA



**H**OANCR



KYA**A**SK



YLFAE E**S**A ONRADG



**I**LEF **N**GIR



SAC**L**EIP**N**

**QUESTION:** What do sea monsters like to eat?

**ANSWER:** **F** \_ \_ \_ \_ \_ **S** \_ \_ \_ \_ \_

get their teeth checked out? **A** At the orca-dontist! **Q** Which part of a fish weighs the most? **A** The scales!



# Fun stuff!

## Make it



### What you'll need

- A selection of smooth flat pebbles
- Pencil ● Bright acrylic paints and fine brushes ● Black permanent marker pen or paint pen ● Varnish (optional)

# PEBBLE PEOPLE

Create your own funny little gang out of stones!

### Start here!



**1** Choose some pebbles that you think will make good heads and body shapes. Try to pick flesh-toned pebbles, so you don't need to paint a base coat first.



**2** Before painting, use a pencil to sketch your designs on the stones.

You could stick magnets on the back of your pebble people and put them on the fridge!



**3** Add the colour first. For faces, paint on the whites of the eyes, the hair and/or eyebrows, plus lips or cheek colour.



**4** For bodies, mark out where you want the neck, arms or hands to be (see step 2), then paint around them in a block of colour.



**5** When the paint is dry, use the black marker to outline the features of the face and add extra details, such as eyelashes or patterns on the clothes. Use a small paintbrush to add any extra colours or details.



We want to see your pebble people!  
Email pics to us at [kids@ngkids.co.uk](mailto:kids@ngkids.co.uk)

Q How do you make an octopus laugh? A With ten-tickles! Q





**TOP TIP**  
To make your pebble people last longer, add a coat of varnish. But check it doesn't make the colours run, first!

Mix and match our heads and bodies!

## BEACH GAMES

On your next trip to the seaside, try out these super summer activities...

1



### DIG IT

Dig a trench from your spot on the beach down to the sea so that the water flows up it!

2

### CRAZY CASTLES

Build silly sculptures or add detail to sandcastles by mixing water and sand in a bucket and dripping the mixture down until shapes form.



3



### READY, AIM... ROLL!

Dig a series of smallish holes in the sand. Then try to roll balls into them.

4

### ROCK ON

Sort pebbles and shells into colours, then create pictures with them!



Photos: Valerie Rowles. Thanks to Billie. All other photos: Getty Images UK.

**NATIONAL GEOGRAPHIC KIDS**

Send us your entries by 26 August 2015

# COMPETITION ENTRY COUPON

Just tick the pink box by any competitions you want to enter!

## PAGE 8-9 WHAT'S UP?!

**Blitzed Brits book** ☐

Unscramble these letters to reveal another word for 'Horrible'...  
FEADLURD

**Home DVD** ☐

Which famous pop star provides the voice for Tip in the movie?  
Gary Barlow ☐ Rihanna ☐ Madonna ☐

**Book bundle** ☐

Which of these is NOT violet in colour?  
Lavender ☐ Amethyst ☐ Lemon ☐

## PAGE 45 GO BANANAS

**Bananagrams** ☐

The word that fits into the red tiles on page 45 is...

## PAGE 46-47 PRIZE PLANET!

**K'NEX Beasts Alive** ☐

Which of the following beasties has a sting in its tail?  
Rabbit ☐ Scorpion ☐ Clownfish ☐

**Sshh! Don't Wake Dad!** ☐

Unscramble these letters to reveal something you might do when you're asleep... RONES

**Pink Chillies** ☐

Which of the following is NOT a species of elephant?  
African elephant ☐ Asian elephant ☐  
European elephant ☐

**Make-a-Bar chocolate Minions!** ☐

Unscramble these letters to reveal an important ingredient in chocolate... ACOOC TUBRET

**Puffin Books set** ☐

Which of the following is another name for a puffin?  
Auk ☐ Dork ☐ Fork ☐

**SeaScope** ☐

Which of the following would you NOT find in a rock pool?  
Limpet ☐ Sea anemone ☐ Tortoise ☐

Winners will be chosen at random from correct entries. GOOD LUCK!

Now turn over and answer some easy questions!

What do fish take to stay healthy? **A** Vitamin sea!



# OVER TO YOU!

Your chance to tell us what you think

## ● What made you buy NG KiDS this month?

- ☐ If you subscribe, please tick this box
- |  |  |
|--|--|
| <input type="checkbox"/> <b>FREE Game Card!</b>            | <input type="checkbox"/> <b>Ocean Special!</b>         |
| <input type="checkbox"/> <b>Sea Turtle Rescue!</b>         | <input type="checkbox"/> <b>333 Prizes Inside!</b>     |
| <input type="checkbox"/> <b>Take a Trip to Pig Island!</b> | <input type="checkbox"/> <b>Weird and Wacky Facts!</b> |

## ● What's the best thing in this issue of NG KiDS?

## ● What's your least-favourite thing in this issue?

## ● How often do you go to the cinema?

## ● Tell us about your favourite film this year...

## ● Do you like taking photographs?

## ● If so, tell us why...

(You must attach a photo of yourself for a chance of appearing on the Junior Reporter pages!)

## ● WRITE TO US!

Do YOU want to appear on our Junior Reporter pages? Is there something you're passionate about? Then attach a letter about it to this form – or email it to us at [kids@ngkids.co.uk](mailto:kids@ngkids.co.uk) – and we could print it in NG KiDS!

## YOUR DETAILS!

Name ..... Date of birth .....

Address .....

Postcode ..... Telephone .....

Email .....

If you are under the age of 12, please ask a parent or guardian to complete this section:

Parent/guardian's name .....

Parent/guardian's signature .....

I acknowledge my child's participation in entering these competitions and/or the reader survey.

**Cut along the dotted line and send this entry coupon – and a photo of yourself as well, if you like! – to: NG KiDS Competitions August issue, Unit 1.04 Clerkenwell Workshops, 31 Clerkenwell Close, London EC1R 0AT**  
**Hurry – the closing date for entries is 26 August 2015!**

NATIONAL GEOGRAPHIC Kids competitions are open to residents of the UK, Eire and the Channel Islands, except employees of Creature Media Ltd, National Geographic Society, and their families, or any associated companies. NATIONAL GEOGRAPHIC Kids will not share your personal details with third parties. Only one competition entry per person. Winners will be the first correct entries drawn after the closing dates. The editor's decision is final. Entrants to NATIONAL GEOGRAPHIC Kids contests must be 16 or under. No purchase necessary. No responsibility can be taken for entries lost or damaged in transit. NATIONAL GEOGRAPHIC Kids will not enter into any correspondence. Winners' names will be published at [ngkids.co.uk/prize-planet/winners](http://ngkids.co.uk/prize-planet/winners). Prizes subject to availability. No cash alternative for any prizes will be offered. The winner may be required to partake in media activity relating to the competition. NG KiDS may wish to contact readers in the future by post, phone or email. Please tick the box if you do NOT wish to be contacted. For details of our privacy policy, please go to [ngkids.co.uk](http://ngkids.co.uk)

# Fun stuff!

## Answers

### SAVE OUR SHIP (page 52)

1. sailor operates saw, 2. shopkeeper organises sunscreen, 3. seagulls on sailboat, 4. swimmer offers sandwich, 5. sheepdog obeys surfer, 6. soldier opens safe, 7. snorkeller orders sundae.  
 (Did you come up with any other 'SOS' word combinations?)

### WHAT IN THE WORLD? (page 53)

Top row: clownfish, dolphin, coral  
 Middle row: life jacket, anchor, kayaks  
 Bottom row: leafy seadragon, life ring, pelicans  
 Bonus: fish and ships

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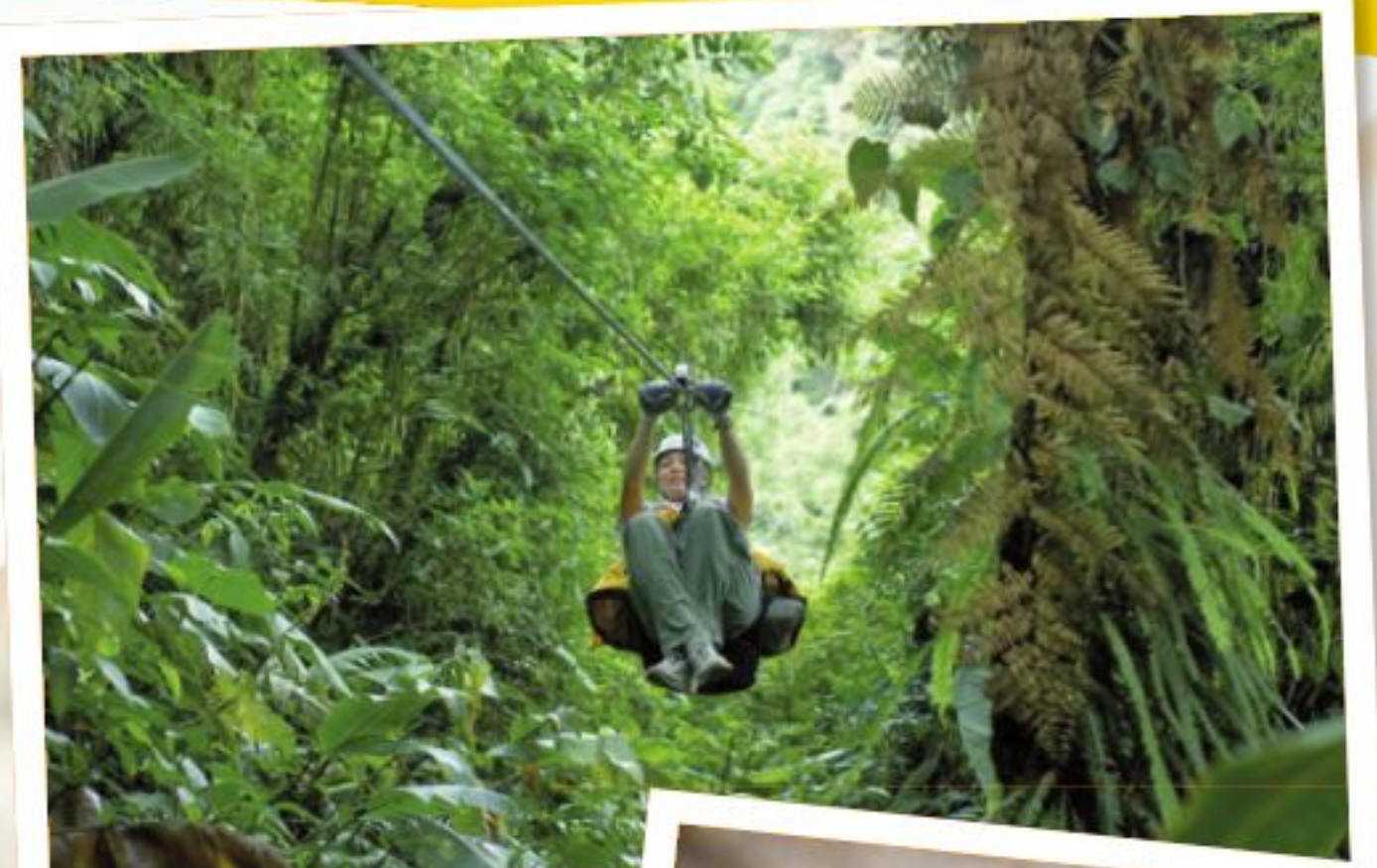
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\*Call charged at standard rate from a BT landline.

# In next month's NG KIDS...

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**19**  
August.  
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it!



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Contest!  
Get your  
cameras at the  
ready, gang...**

**...because you  
could win a  
family holiday  
to Costa Rica,  
Central America!**

**Little cats with  
BIG attitudes!  
Meet the  
hiss-terical  
Pallas's cat!**

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[ngkids.co.uk](http://ngkids.co.uk)

**Create your own  
wacky avatar!**

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incredible  
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**Play great  
games!**

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on your favourite  
features!**

**Read cool  
comics!**





# Ripley's Believe It or Not!<sup>®</sup> LONDON


## CALL THE COAST GUARD!

 French artist Julien Berthier's crazy sculpture of a capsizing yacht is so convincing that people often come to his aid! He created it by cutting a boat in half and adding a new keel so it stays upright in the sinking position. The craft is actually seaworthy – it's got an onboard motor and has toured around Europe!



There are millions of tonnes of **GOLD** dissolved in the oceans.

## WHALE OF A BOAT

 Part speedboat and part submarine, Innespace's Seabreacher Y not only looks like a killer whale, it can leap out of the water like one, too! The hi-tech two-seater can launch 5m into the air when it breaches, and reaches speeds of up to 88kmph on the surface and up to 32kmph underwater!



Blue whales that feed at the surface get **SUNTANS** in summer.

Rockfish can **LIVE** for over 200 years.


Newborn bottlenose dolphins do **NOT SLEEP** for the first month.

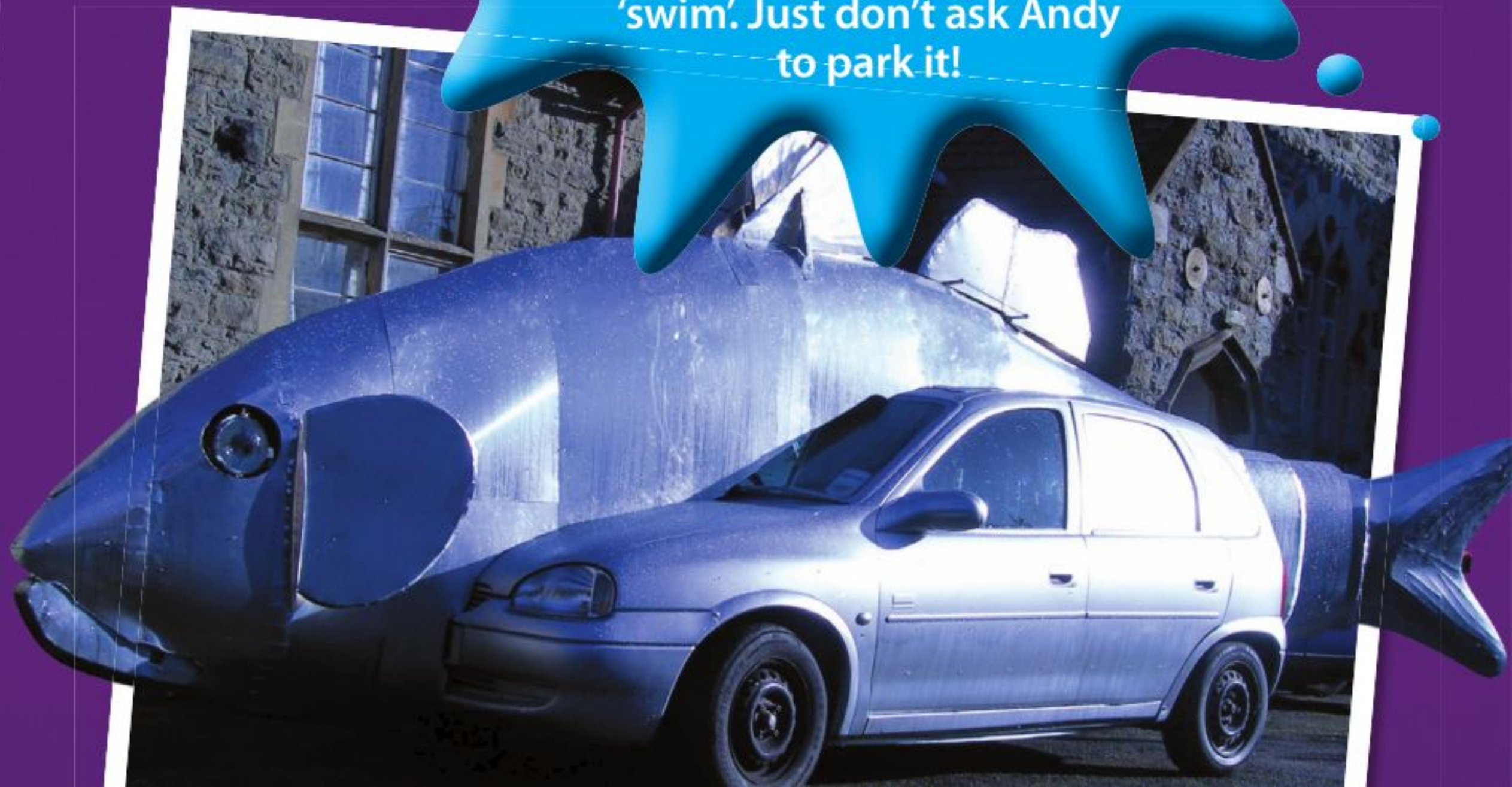
**JELLYFISH** can eat ten times their body weight in one day.

# AMAZING OCEANS!

Whale sharks in Indonesia have learned how to **SUCK FISH** from fishing nets!

## FISHY RIDE

 Artist Andy Hazell from Wales has fixed a huge model of a sea bass to the roof of his car! The fishy passenger is 6.1m long and made from aluminium. Motorised gills, mouth, eyes, fins and tail help it 'swim'. Just don't ask Andy to park it!



## KIDS GO FREE

Ripley's  
Believe It or Not!<sup>®</sup>  
LONDON

### FREE ENTRY FOR NG KIDS READERS TO RIPLEY'S LONDON

Bring your magazine to the admissions desk at Ripley's Believe It or Not! London and show this voucher to enjoy the offer. Valid for one (1) child accompanied by a full-paying adult. Offer is available on the door only and cannot be used online. Not to be used in conjunction with any other offer. Voucher cannot be sold or auctioned. No cash value. Valid until 31/12/2015.



## ADOPT AN ORCA

See more whales to adopt at [www.adoptawhale.com](http://www.adoptawhale.com)  
or call WDC now on 01249 449500

## LOVE WHALES?

You'll love all this!

Plus  
get SPLASH!  
magazine  
4 x a year!



WHALE AND  
DOLPHIN  
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WDC

Help! The world's whales need you to keep them safe! Adopt an amazing orca for just £1 a week and get loads of cool stuff. PLUS get photos and updates on your adopted whale four times a year with our fantastic SPLASH! magazine! So what are you waiting for?

Visit [www.adoptawhale.com](http://www.adoptawhale.com)  
or call WDC on 01249 449500 today.

Just £1  
a week!

Choose the whale you'd  
like to adopt here >>>



Simoom ☐



Holly ☐



Fife ☐

Please indicate how much you would like to give each month:

£4 ☐ £6 ☐ £8 ☐ £10 ☐ a month Starting on the 1st ☐ or 23rd ☐ of each month I pledge to support WDC for at least 12 months (please tick) ☐

## PAYER'S DETAILS

Title \_\_\_\_\_ First Name \_\_\_\_\_ Surname \_\_\_\_\_

Address \_\_\_\_\_

Postcode \_\_\_\_\_ Tel no \_\_\_\_\_

Email \_\_\_\_\_ Date of birth\* \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
(\*essential if under 18)

Please send adult pack ☐ OR under 14 pack (shown above) ☐

## RECIPIENT'S DETAILS (if applicable)

☐ Tick this box if your adoption is a gift and complete the gift recipient details below:

Title \_\_\_\_\_ First Name \_\_\_\_\_ Surname \_\_\_\_\_

Address \_\_\_\_\_

Postcode \_\_\_\_\_

Tel no \_\_\_\_\_ Date of birth\* \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Gift Message (Optional) \_\_\_\_\_ (\*essential if under 18)

Would you like us to send this adoption to the recipient? Yes ☐ No ☐

## Instruction to your bank/building society to pay by Direct Debit

Originator's Identification Number **9 4 1 0 5 1**



1. Name and full postal address of your bank/building society

To the manager of \_\_\_\_\_ bank/building society

Address \_\_\_\_\_

Postcode \_\_\_\_\_

2. Name(s) of account holder(s)

3. Sort code  -  -

4. Bank/building society account number

5. Instructions to your bank or building society

Please pay WDC Direct Debits from the account detailed on this instruction, subject to the safeguards assured by the Direct Debit guarantee. I understand that this instruction may remain with WDC and, if so details will be passed on electronically to my bank/building society. Banks and building societies may not accept Direct Debit instructions for some types of account.

Signature(s)

Date

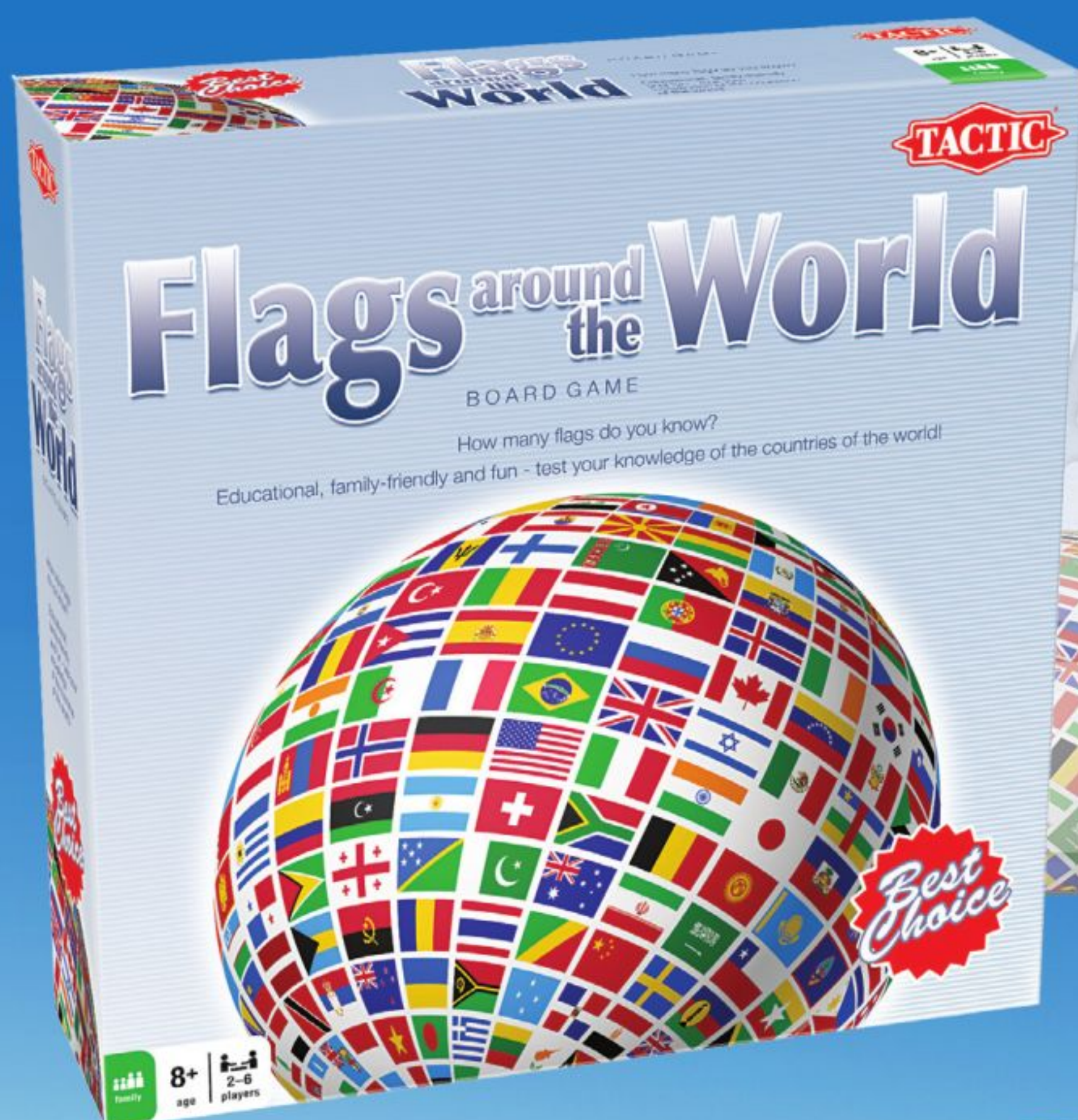
For more information about adopt a whale, please visit [www.adoptawhale.com](http://www.adoptawhale.com) or call 01249 449500. Please keep me up-to-date with WDC campaigns and projects and how I can support them ☐. We will not pass your details on to any third parties. WDC is a company limited by guarantee registered in England, number 27327421, registered charity number 1014705. Orca photographs © WDC/Marie Fournier and © Jared Towers

PLEASE COMPLETE AND RETURN THIS FORM TO:  
WDC, 38 St. Paul Street, Chippenham, SN15 1LJ.  
Or call WDC now on 01249 449500.



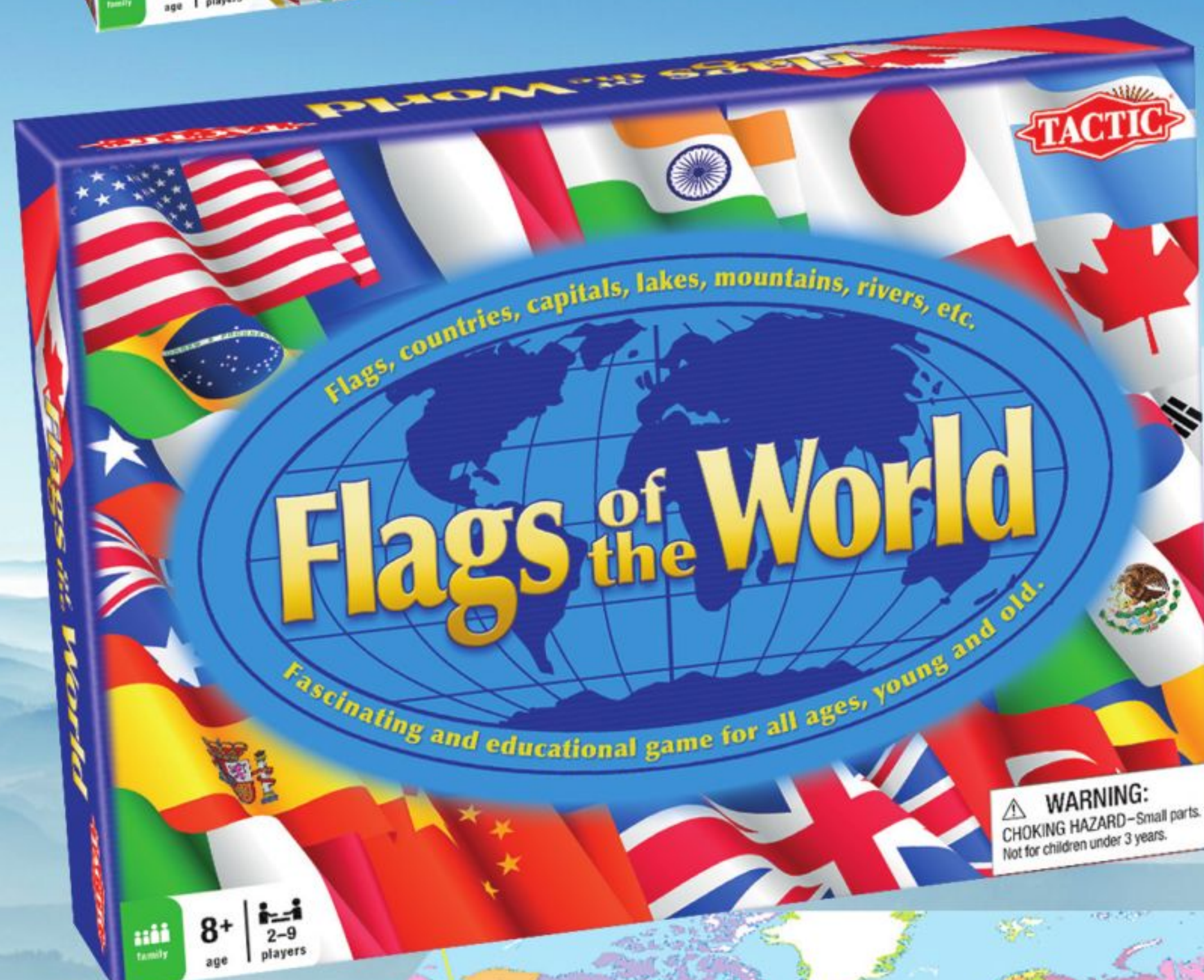
# HOW MANY COUNTRY FLAGS DO YOU KNOW?

Great fun for all the family and educational!



## Flags Around The World

Travel around the world with this fast moving board game. If you know the country flag you keep on travelling! Every flag that you collect takes you closer to travelling the world and winning the game. Learn as you travel about the countries that you land on.



## Flags of the World

This award winning card game is in a handy travel sized box. Flags of the World has all of the independent country flags in each territory. Several levels of play from easy to hard. Each card has information about the country, population, capital city and much more.

